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THE BEVERAGE WAVE ANTENNA: CURRENTS, CHARGES AND ADMITTANCES

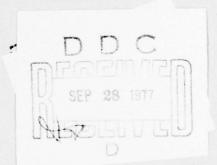
Vol. II. Experimental Measurements

by

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

This report presents the results of an experimental and theoretical investigation of the circuit properties of horizontal-wire antennas placed over an imperfectly conducting half-space. Particular emphasis is given to the Beverage wave antenna, a special type of horizontal-wire antenna placed in close proximity to the earth. Earlier work has generally assumed a free-space wave number on the wire, thus neglecting the effect of the half-space. The present study has carefully investigated experimentally the effect of the half-space on the prop-

20. ABSTRACT (continued)

erties of the antenna (current, charge and input admittance) and has included this effect in all theories discussed.

The theoretical analysis, appearing in Part I of Vol. I, involves several aspects. The theory of King, Shen and Wu for horizontal wires over an imperfectly conducting half-space was verified experimentally. Discrepancies observed in certain cases were attributed to end effects, not accounted for in the theory. Two semi-empirical theories were subsequently developed which included contributions due to end effects. Both provided good agreement with the measured data. The theory of King was extended to include the Beverage wave antenna and comparison with measured results proved quite acceptable.

Distributions of current and charge as well as the input admittance were measured on dipole antennas and on Beverage wave antennas that ranged in length from .5 λ_0 to 1.5 λ_0 and were placed at heights of from .01 λ_0 to .25 λ_0 above three different media – fresh water, salt water, and moist earth. A description of the experimental design and system calibration is contained in Part II of Vol. I. The measured data are presented and discussed in Vol. II (Part III of the report). The effects of the wire height and of the parameters of the dissipative medium are noted. Special attention is given to the transmission-line nature of the measured currents and charges and to the measured wave number.

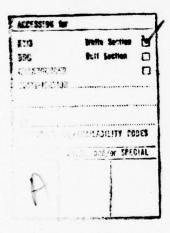


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PART III EXPERIMENTAL MEASUREMENTS

3.1. Introduction

A systematic study of the horizontal-wire antenna over a dissipative half-space and of the special case of the modified Beverage antenna is presented. The study, which is mainly experimental in nature, is concerned with the electrical characteristics of these antennas and how they are affected by the height of the antenna and the electrical properties of the medium over which the wire is placed. Essentially, this involves measuring the distributions of surface current and charge on these antennas and observing the corresponding effects due to changes in the several parameters.

Theoretically, once the current distribution is known, all the electrical properties of the antenna can be evaluated in a straightforward manner. Due to the complexities of the feeding system, in most current measurements only relative distributions are obtained. To normalize these distributions properly, the characteristics of the feeding system must be determined. For the conventional coaxial-line feed the normalization problem resolves itself into determining the antenna input impedance. Since the input impedance is necessary for an overall understanding of the current distribution, impedance measurements were included in the study.

Another important quantity, the distribution of charge per unit length, can be obtained from the current distribution through the use of the continuity equation. The charge distribution is often used to study the near-zone electric field of the antenna and to obtain a better understanding of the overall electromagnetic interaction of the wire especially near the end and at the driving point. Since the use of the continuity equation involves differentiation of the current, small errors in the measured current can cause large inaccuracies in the calculated charge distribution. To avoid this problem, it was decided to include measurements of the surface charge distribution in the analysis.

In presenting the data, comparisons are made whenever possible between the measured quantities and the associated analytic expressions developed in Part I (Volume I). In fact, one of the major purposes of the experimental analysis is to verify the theoretical work of King [1] and the feasibility of the modified Beverage antenna. The limitations on King's zeroth-order theory and its ranges of applicability are discussed. For certain types of dissipative media the expression for the theoretical wave number given by equation (1.7) can be shown to be in error. This is due primarily to the fact that the basic restrictions given in (1.3a) are violated for these media. Empirical evidence shows that, although the wave numbers are in error, the zeroth-order form for the current and charge distributions are still maintained.

In all cases the measurements are compared either to completely theoretical expressions that are based on the developments in Part I and use (1.7), or to a semi-empirical theory which utilizes the zeroth-order forms for the current, charge and admittance and the measured effective wave numbers. The effective wave number is defined as the wave number observed on the unloaded dipole antenna; corrections for end effects are neglected. If the antenna end effect is small, the effective wave number and the wave number given by (1.7) are identical. For significant end effects the measured wave number will include a contribution due to the end effect. This contribution will primarily affect the observed attenuation on the antenna. Since the end effect is actually a lumped correction occurring at the end of the antenna and the attenuation α_{τ} is a distributed parameter, the use of a measured effective attenuation is clearly only an approximation. For low attenuation and large end corrections this approximation becomes increasingly worse. This approach was taken initially by necessity since the end effects were not well understood and could not be eliminated. It was also believed that the effects would be small.

A second semi-empirical theory was developed subsequently which accounts for both the capacitive end effect and the radiation loss through a complex terminal function $\theta_{_{\rm S}}$ composed of a terminal attenuation function $\rho_{_{\rm S}}$ and a terminal phase function $\Phi_{_{\rm S}}$. This approach is described in Section 1.8 of Volume I. The experimentally determined quantities $\rho_{_{\rm S}}$ and $\Phi_{_{\rm S}}$ correspond, respectively, to the increased magnitude and the shift in $\alpha_{_{\rm L}}$ that are observed to occur in both the measured data and the theoretical values (based on an effective wave number) compared here in Part III. The slight variations that remain are due to junction effects which were not included in the analysis. Comparisons between this theory and the measured data are in Figs. 1.23 through 1.33 (Volume I).

3.2. Measuring Procedure

The three types of media over which the antennas were placed were fresh water, salt water, and moist earth. They were chosen because they represent the three most common media over which these types of antennas can be used and exhibit a wide range of relative dielectric constants and loss tangents at the operating frequency of 300 MHz. The electrical properties of the three media were measured with the techniques discussed in Part II and were remeasured periodically to ensure uniformity throughout the experiments. In the remaining discussions the terms fresh water, salt water, and moist earth will refer to media with the following electrical properties:

Media	εr	σ (mhos/m)	p _e at 300 MHz	Average Temperature °C
Fresh Water	82	.092	.067	17.5
Salt Water	81	3.9	2.885	21.5
Moist Earth	11.4	.0022	.012	≈ 5

The current and charge distributions on monopole antennas over each of these media were measured for heights of d/λ_0 = .01, .02, .05, .1 and .25. At each height three monopole lengths were investigated, namely, h/λ_0 = .5, 1.0, and 1.5. For the Beverage antenna the same combination of antenna spacings and lengths was used by simply connecting the resistive load and the quarter-wave section to the end of the monopole. Hence the overall lengths of the Beverage antennas were s = .5 λ_0 + $\lambda_L/4$, λ_0 + $\lambda_L/4$, and 1.5 λ_0 + $\lambda_L/4$ where for most cases of interest $\lambda_L \neq \lambda_0$.

To ensure that the height of the antennas would remain as uniform as possible for all cases, polyfoam floats were fabricated precisely on a milling machine and were placed under the wire for support. The book value for the relative dielectric constant of the polyfoam was $\varepsilon_r \leq 1.04$. The presence of the floats under the wire produced no noticeable effects on the measured currents or input impedances. Since it was still possible that the weight of the antenna could partially submerge the floats, a pulley system was designed to balance the weight of the wire. Nylon string was looped

around the wire at three or four positions along its length, passed through a set of pulleys located about 6 ft. above the tank, and then passed through another set of pulleys and counterweighted appropriately at the end. With this arrangement it was possible to place the wire over the floats so that it would just touch the polyfoam but would not exert any weight on it.

The current and charge distributions were measured by moving the loop and monopole probes along the slot cut in the antenna. Connecting the B channel of the vector voltmeter to the probe output and the A channel to a phase reference permits continuous monitoring of the current or charge. For the Beverage antenna it was possible to probe current and charge only up to the resistive load. With the placement of the solid resistor into the line it was impossible to move the probes beyond this point to measure the current and charge on the quarter-wave section. Altshuler [2] has shown that for a similar situation the measured currents on the quarter-wave section are found to be approximately sinusoidal, as would be expected for a resonant element. Thus, by knowing the current or charge distribution up to the resistive load, the distributions on the quarter-wave section can be predicted quite easily. In presenting the data, the theoretical current and charge distributions on the quarter-wave section are included to show the behavior of this current and charge.

The only other limitations in the current and charge measurements were mechanical in nature. Restrictions due to the construction of the line made it impossible to make measurements directly to the end of the antenna or to the junction at the driving point. The charge probe was allowed to come within 1.3 cm of the end of the line while the current probe could get no closer than 1.9 cm. For measurements near the driving point the current probe could come to within .3 cm of the junction and the charge probe could travel to within .9 cm.

The arrangement of the measuring equipment was shown previously in Fig. 2.2(b). The block diagram for the experiment is presented in Fig. 3.1. All equipment was connected through a 25 Watt voltage regulator which isolates the apparatus from any spurious responses or drift in the line voltage. The 300 MHz source consisted of a Hewlett-Packard 3200 B VHF oscillator and an accompanying Hewlett-Packard 230B power amplifier. The oscillator exhibited remarkable stability after a warm-up period of one hour. Frequent checks

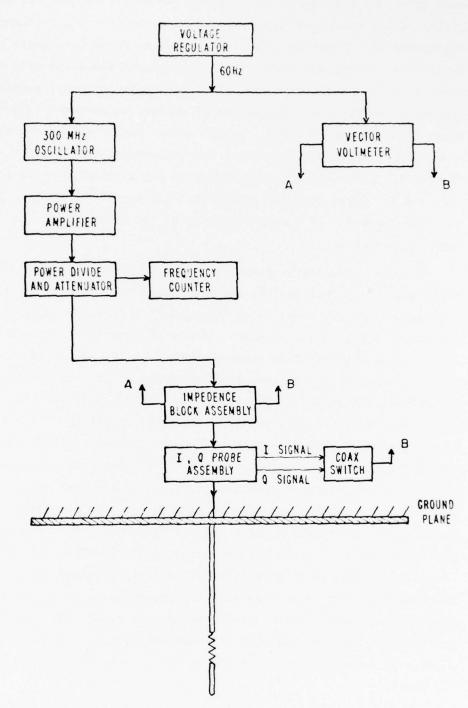


FIG. 3.1. BLOCK DIAGRAM FOR CURRENT, CHARGE AND ADMITTANCE MEASUREMENTS.

were made to detect any power drift in the oscillator and the frequency stability was monitored constantly through the use of a frequency counter. No problem with harmonic generation was encountered throughout the experiment. The current and charge could be measured simultaneously at each position by using a coaxial switch. This eliminated the more time-consuming process of making one complete set of current measurements and then starting again to measure the charge. At the end of each complete current and charge measurement the input-power level was rechecked by measuring the response of the current probe when placed as near to the driving point as possible. This was to ensure that the power level had not changed during the course of the measurements. If a significant power change was recorded, the measurement was repeated.

To be as accurate as possible in making the impedance measurements, the calibration procedure for the impedance block was performed before and after each set of measurements. With the measuring line more than 12 ft. in length, it was a very delicate procedure to connect the line to the ground plane. Even with the line attached to the pulley system, slight variations back and forth or up and down could generate a large amount of torque at the flanged end of the line. Through the use of a level, the line was balanced as accurately as possible before being inserted through the hole in the ground plane. Clamps were then used to hold the line firmly in place and to prevent any sway. Due to the fact that differing amounts of tension were applied to the line while being held by the clamps, variations in the calibration constants of the impedance block were noticed. This was determined to be due to the slight movement off center of the inner conductor of the feed line when the outer conductor was flexed slightly. The impedance probes were found to be very sensitive to this movement and, thus, to alleviate this problem triangular rexolite spacers were inserted into the feed line with care being taken not to include any in the section between the driving point and the plane of the impedance probes. Accuracy was further ensured by rechecking the calibration every time the position of the line was moved.

Impedance measurements were initiated with the longest antenna length and were continued on progressively shorter lengths by withdrawing the antenna into the feed line. With the placement of the polyfoam floats needed for each complete set of impedance measurements, it was much easier to

position the floats first and draw in the antenna than it was to increase the antenna length and periodically add more support floats. Since it was still necessary to support the wire with nylon string, the height of the antenna had to be checked each time the length of the antenna was decreased to ensure that excessive tension from the string had not bent the antenna upward from its level position. Over a period of time contact problems developed due to the constant wear from sliding the antenna in and out at the driving point. When the antenna does not make proper contact at the driving point, meter readings become unsteady and erroneous measurements result. To overcome this problem, a thin layer of silver conducting paint was applied to the antenna to provide a tight electrical contact at the driving point. The antenna was repainted before each set of impedance measurements to guarantee good contact along sections where the paint may have worn off.

3.3. Presentation of Measured Data for a Dipole Antenna Above a Dissipative Half-Space

The measurements for a dipole antenna placed above a variety of dissipative media are presented in this section. The section will be divided into three parts for the three different media treated (fresh water, salt water, and moist earth). The current and charge data are presented in order of increasing d/λ_0 spacings. For each spacing measurements are presented for antenna lengths of $1.5\lambda_0$, λ_0 and $.5\lambda_0$. All measurements are compared either to King's theory [1] when valid or to a semi-empirical theory based on the measured effective wave number. Data points were measured every 2.5 cm and numbered 61, 41 and 21, respectively, for antenna lengths of $1.5\lambda_0$, λ_0 and $.5\lambda_0$. This number of data points for each length was shown to provide sufficient resolution to represent the actual current and charge distributions accurately.

The measured data were normalized to the accompanying theoretical curve at z/h = .2 or to a smooth part of the curve in the immediate vicinity of this point. Normalization to the driving point at z = 0 by means of the measured input admittance was not attempted owing to the problems involved with the junction effects [3]. In some cases end effects did not permit normalization at z/h = .2. In these situations the data were normalized by aligning the peaks of the magnitude curve. Further discussion on this and the end-effect problem is given in Section 3.5.

The admittance data are presented in both the rectangular-plot form with β_L h as the independent variable and in the circular-diagram form. For each respective medium the admittances are presented in order of increasing d/λ_0 spacing. All admittance measurements are made for monopole lengths ranging from $.013\lambda_0$ to $1.5\lambda_0$ (1.3 cm to 150 cm) and were recorded at intervals of 2.5 cm. An interval of this size was small enough to provide an accurate representation of the input admittance. The admittance curves display the apparent input admittance uncorrected for junction effects. King has shown [4] that when a monopole is driven by a coaxial line through a ground plane, a negative terminal-zone capacitance with admittance $Y_T = j\omega C_T$ must be added to the measured apparent admittance, Y_{in} , to give the actual admittance of the isolated monopole, $Y_{monopole}$. Hence,

$$Y_{in} = Y_{monopole} + j\omega C_{T}$$
 (3.1)

where C_T is determined from curves in [4] for b/a = 2.3, C = 133.2 pF/m to be:

$$C_{\rm T} = -.423 \text{ pF}$$
 (3.2)

Note that C_T includes the effect of the rexolite spacer (ε_T = 2) at the driving point. At the operating frequency of 300 MHz, the terminal-zone admittance Y_T is:

$$Y_{T} = j\omega C_{T} = -j.814 \text{ millimhos}$$
 (3.3)

It is apparent that the terminal-zone correction affects only the susceptance and that the measured conductance values are unaltered.

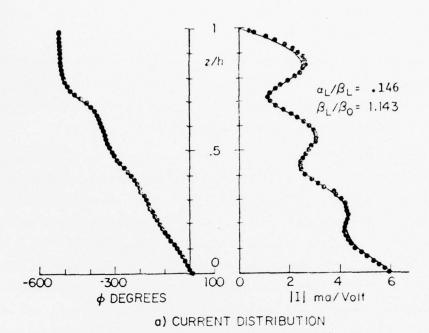
Fresh-Water Measurements

The fresh-water solution used for these measurements corresponds to solution number 2 in Section 2.5. The electrical properties were measured to be $\epsilon_{\mathbf{r}}$ = 82 and σ = .092 mhos/m at 20° C. During the course of these measurements the temperature of the fresh water varied between 15° C and 20° C. For the measurements taken at d/ λ_0 = .01, the water temperature was initially 20° C. The water gradually cocled so that for the final measurements at d/ λ_0 = .25, the temperature was recorded at 15° C. Measurement of the

electrical properties of the water at both these temperatures revealed no noticeable change. This agrees with previous investigations [5] made over a similar temperature range.

The measured current and charge distributions are presented in Figs. 3.2 through 3.18. The measured data are represented by dots. Tabulation of the normalized data and the raw data is given in Appendix B. An examination of these curves reveals the following important results:

- 1) For d/λ_0 = .01 and .02 (Figs. 3.2 through 3.7) the measured current and charge are compared with the theoretical expression developed by King [equations (1.6) and (1.18) with (1.7)]. The agreement is seen to be quite good for all antenna lengths. For d/λ_0 = .01 the measured wave number is within 1% of the theoretically predicted wave number of (1.7); while for d/λ_0 = .02 the wave numbers are within 3% with still very acceptable results. Departure from the theory is evident at the driving point and at the end of the antenna. These variations are due to the junction effect at the driving point and to the antenna end effect, neither of which can be taken into account in the zeroth-order theory of King. It is interesting to note that one of the initial restrictions on this theory is that $\beta_0 d << 1$ [equation (1.5)]. The fact that at d/λ_0 = .02 the agreement is still good implies that this condition is not as restrictive as originally presumed. This would agree with the subsequent restriction on the size of h/d.
- 2) At d/λ_0 = .05 and .1, significant differences begin to arise in the comparison between theory and experiment. The disagreement occurs mainly in α_L , the attenuation constant, where the theoretical value for α_L is found to be significantly smaller than the measured effective value. This is observed in Figs. 3.8 and 3.12 which compare King's theory to the experimental data. The deeper theoretical nulls reflect the discrepancy in the attenuation. For d/λ_0 = .1 noticeable departure in the phase constant β_L is also observed. At these heights the measured data appear to be shifted toward the end of the line. This is due to the end effect of the line which makes the antenna appear to be longer than it is. The shift is not due to any error in the wave number. A further discussion on end effects will be postponed until Section 3.5. For d/λ_0 = .05 and .1, errors in α_L of 20% and 50%, respectively, were considered unacceptable. Without further confirmation, it was believed that the large discrepancies between the theoretical attenuation



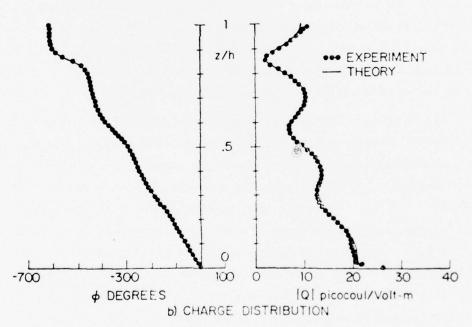
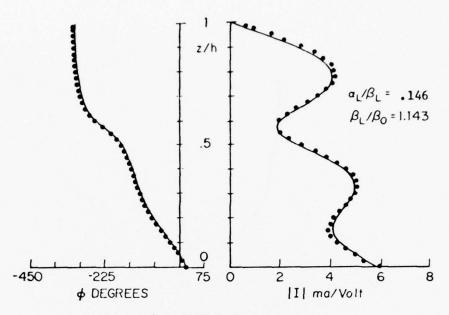


FIG. 3.2. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER FRESH WATER; h/ λ_0 = 1.5 AND d/ λ_0 = .01.



a) CURRENT DISTRIBUTION

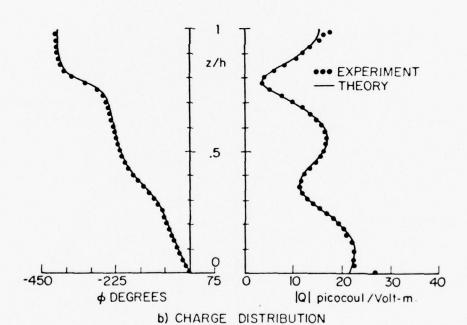
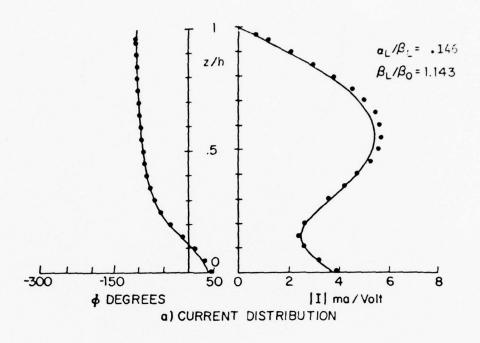


FIG. 3.3. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER FRESH WATER; $h/\lambda_0\approx 1$ AND $d/\lambda_0\approx .01.$



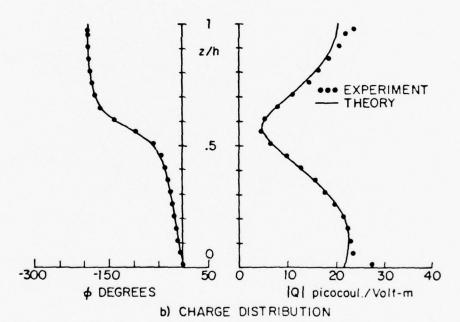
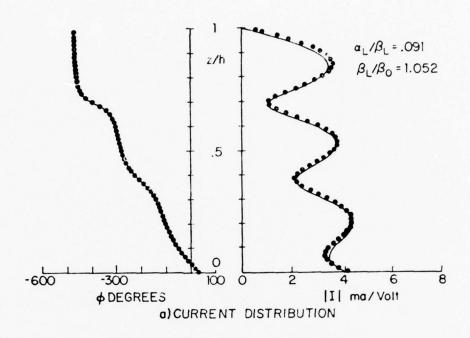


FIG.3.4. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER FRESH WATER; h/λ_0 = .5 AND d/λ_0 = .01.



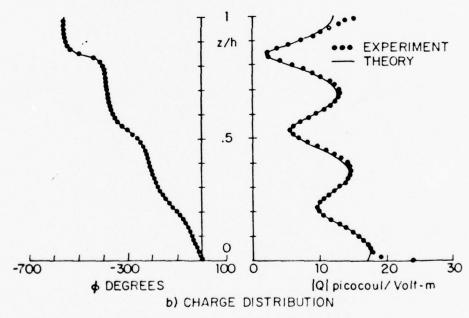
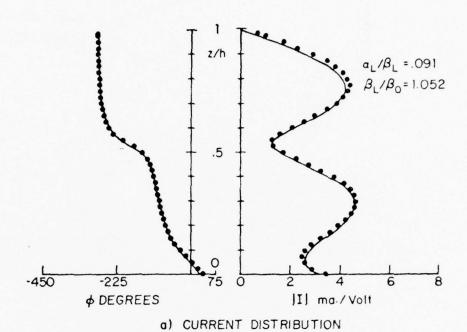


FIG.3.5. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER FRESH WATER; t_1/λ_0 = 1.5 AND d/λ_0 = .02.



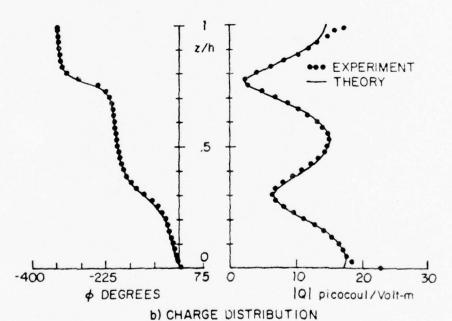
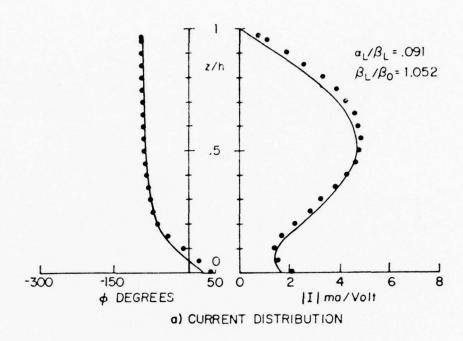


FIG. 3.6. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER FRESH WATER; $h/\lambda_0 = 1$ AND $d/\lambda_0 = .02$.



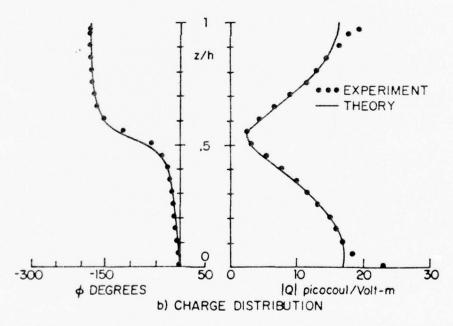
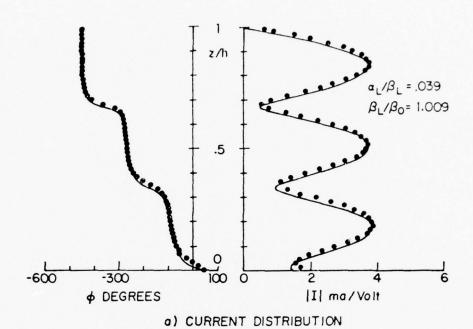


Fig. 3.7. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER FRESH WATER; h/λ_0 =.5 AND d/λ_0 =.02.



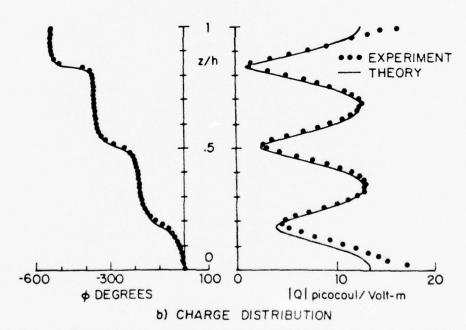
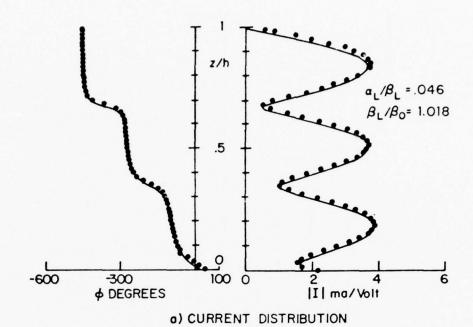


FIG. 3.8. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER FRESH WATER USING THEORETICAL WAVENUMBER; \hbar/λ_0 = 1.5 AND d/λ_0 = .05.



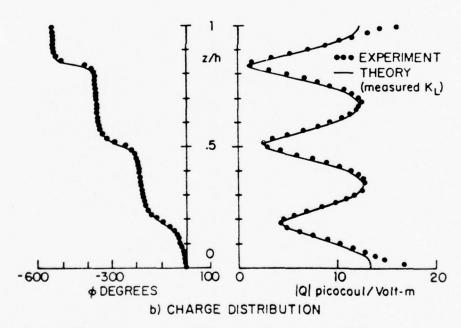
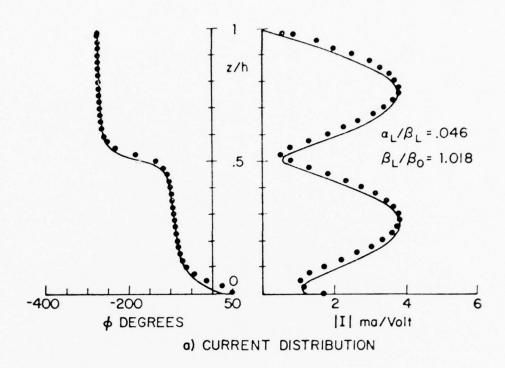


FIG. 3.9. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER FRESH WATER USING MEASURED WAVENUMBER; \hbar/λ_0 AND d/λ_0 =.05.



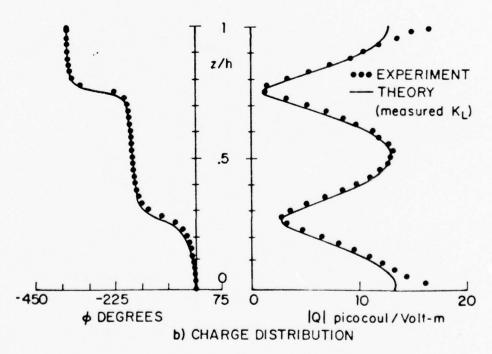
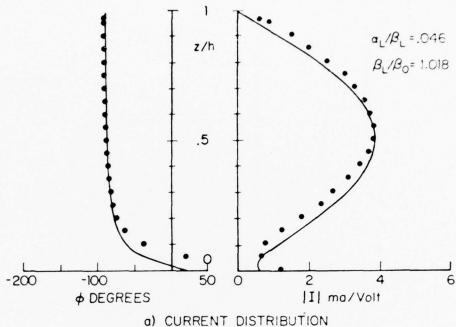
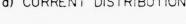
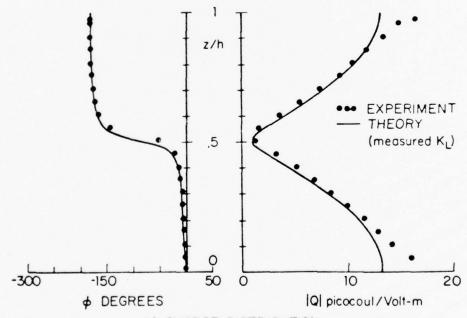


FIG.3.10. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER FRESH WATER USING MEASURED WAVENUMBER; h/λ_0 = 1 AND d/λ_0 = .05.

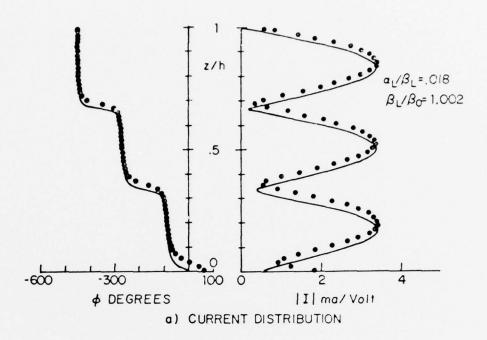






b) CHARGE DISTRIBUTION

FIG. 3.11. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER FRESH WATER USING MEASURED WAVENUMBER; \hbar/λ_0 = .5 AND d/λ_0 = .05.



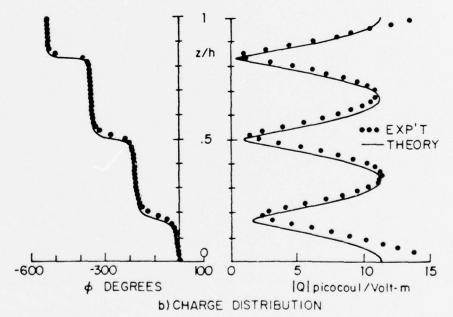
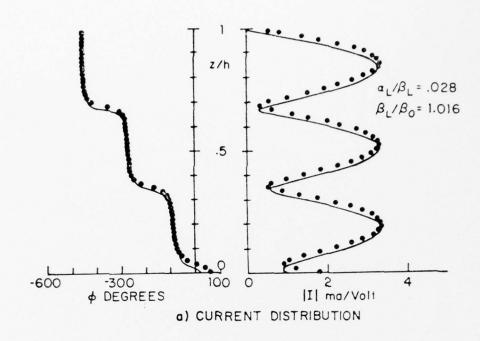


FIG.3.12 CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER FRESH WATER USING THEORETICAL WAVE NUMBER; h/ λ_0 = 1.5 AND d/ λ_0 = 1.



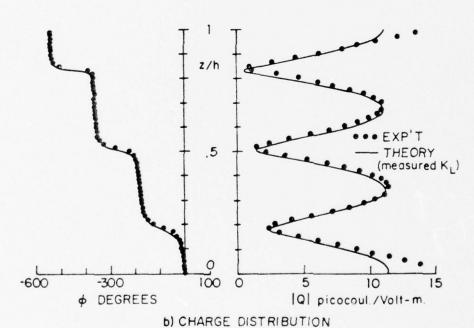
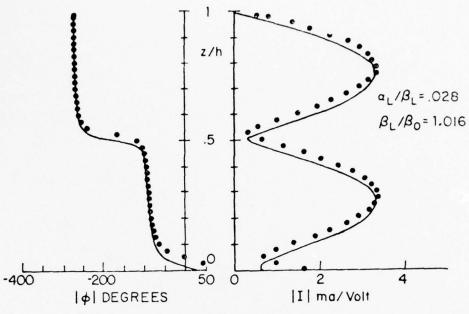


FIG. 3.13-CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER FRESH WATER USING MEASURED WAVENUMBER; $\hbar/\lambda_0 = 1.5 \ \text{AND} \ d/\lambda_0 = 1.$



a) CURRENT DISTRIBUTION

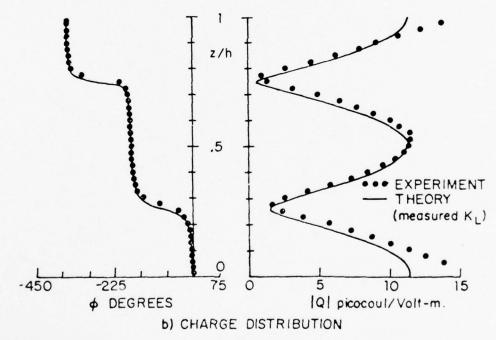
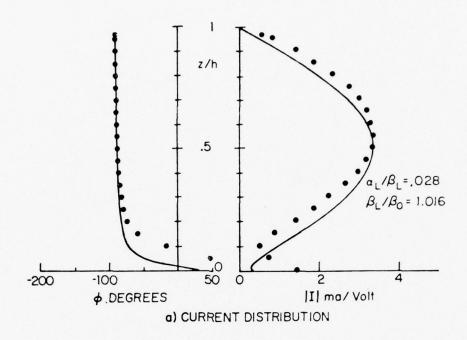


FIG.3.14 CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER FRESH WATER USING MEASURED WAVENUMBER; $h/\lambda_0 = 1$ AND $d/\lambda_0 = 1$.



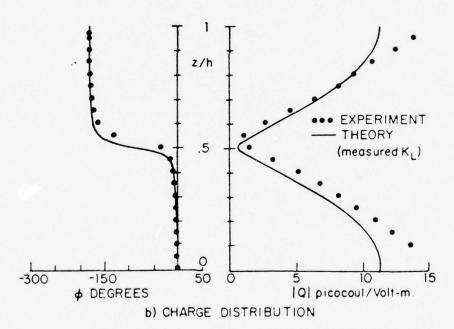
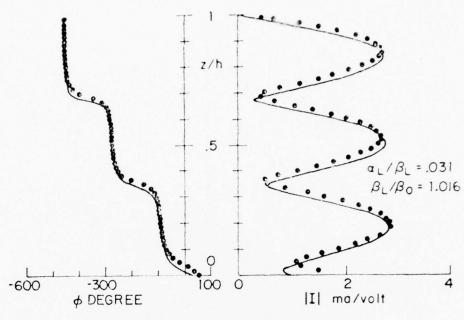
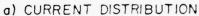


FIG.3.15.CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER FRESH WATER USING MEASURED WAVENUMBER; \hbar/λ_0 =.5 AND d/ λ_0 =.1.





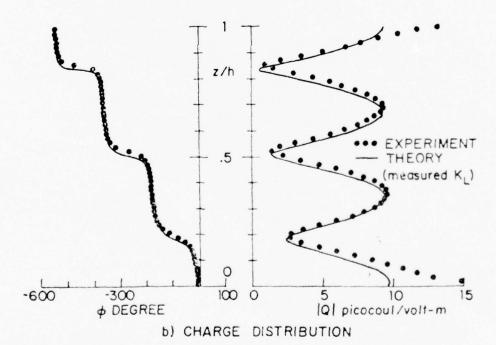
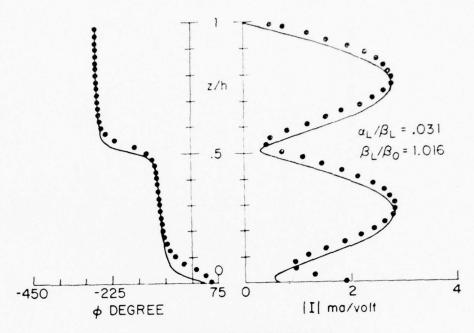


FIG. 3.16. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER FRESH WATER USING MEASURED WAVENUMBER; h/λ_0 = 1.5 AND d/λ_0 = .25.



d) CURRENT DISTRIBUTION

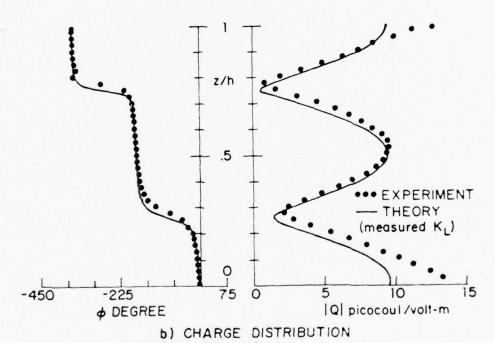
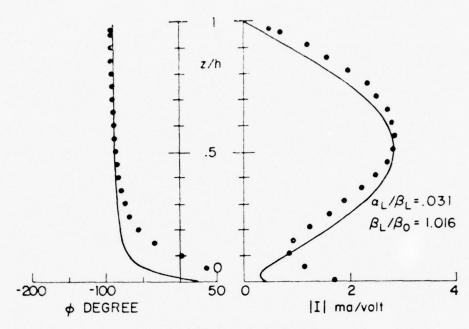


FIG.3.17. CURRENT AND CHARGE ON MONOPOLE OVER FRESH WATER USING MEASURED WAVENUMBER; \hbar/λ_0 = 1 AND d/λ_0 = .25.



a) CURRENT DISTRIBUTION

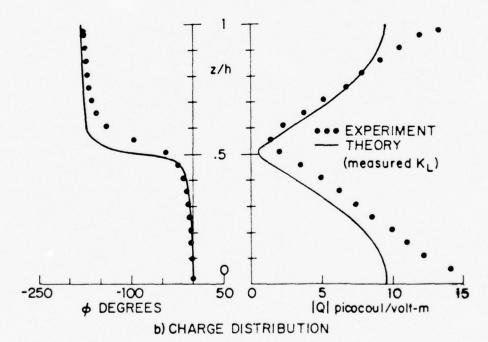


FIG. 3.18. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER FRESH WATER USING MEASURED WAVENUMBER; h/λ_0 = .5 AND d/λ_0 = .25.

given by (1.7) and the measured attenuation could depend on one or both of the following. The possibility that a fundamental limitation exists in the d/λ_0 quantity is strong. Speculation that the d/λ_0 quantity is unimportant as long as h/λ_0 is large may be plausible, but exactly how large h/λ_0 must be is not specifically known. It is quite possible that for the cases being studied the transmission-line-like behavior may diverge at this height. The second possibility is that a significant end effect is present which would cause the effective attenuation to be higher than the theoretical value. Since the slight shift in the measured data could be caused by the end effect, there is strong evidence in this direction. This problem is discussed in Section 1.8 (Volume I) where it is determined that the discrepancies are due to the end effect. In any case, to overcome this problem a semi-empirical solution was developed which utilizes the zeroth-order form for the current and charge derived by King with the measured effective wave number obtained from the experiment. The comparison between this solution and the measurements is given in Figs. 3.9 through 3.11 and 3.13 through 3.15. The figures show that the zeroth-order form still holds and that by using the measured effective wave number the corresponding results are quite good.

3) At the highest spacing, $d/\lambda_0 = .25$, the semi-empirical solution was also used. The results are presented in Figs. 3.16 through 3.18. It appears that at this height the forms of the current and charge begin to depart somewhat from the sinusoidal. This is especially apparent near the driving point. It would seem that at this height the influence of the medium is diminishing and the form of the current and charge is approaching that of an isolated antenna. Alternatively, it is quite possible that the end correction is sufficiently large to give this appearance. In either case, the semi-empirical solution still provides good approximate representations for the current and charge.

In Fig. 3.19 the theoretically predicted wave numbers from (1.7) for an antenna over fresh water are compared with the measured effective wave numbers obtained from the previous data. Note that for the β_L/β_0 curve all measured values are within 5% of the theoretical curve. For the α_L/β_L curve, however, the agreement is good only for the two cases of d/λ_0 = .01 and .02. At heights of d/λ_0 = .05 and greater, the error in α_L exceeds 20%, as is easily seen from the comparison in Fig. 3.19.

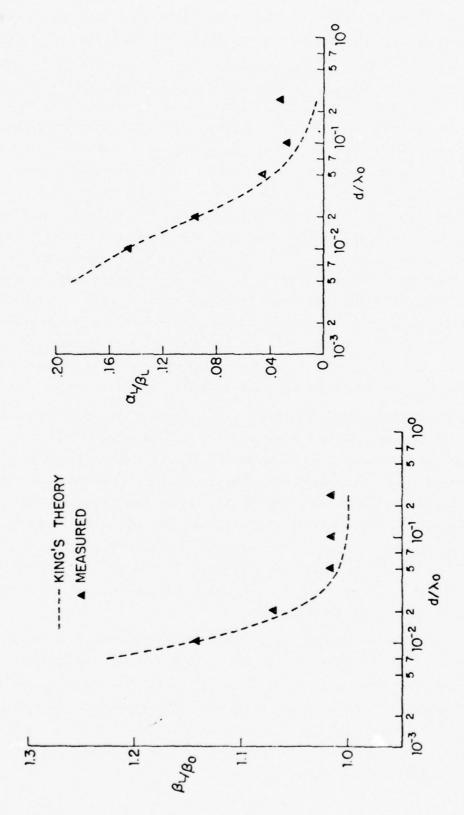


FIG. 3,19. WAVENUMBER ON HORIZONTAL WIRE OVER FRESH WATER; Er = 82 AND Pe = .067

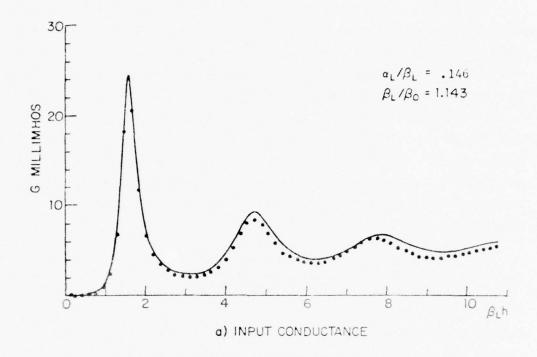
The measured effective wave numbers were obtained by using standard transmission-line techniques. At each height the difference between charge nulls was measured on an antenna, $1.5\lambda_0$ in length, to determine the phase constant β_L of the line. The measurements were made at the nulls because they tend to be much more sharply defined than the peaks of the curve, resulting in better accuracy. The charge distribution was measured rather than the current since the charge probe has less of an averaging effect than the current probe. The attenuation constant was determined by measuring the position of the peaks and nulls of the current distribution as well as the magnitude of the current at these points and then utilizing the following relationship:

ISWR =
$$\frac{\left|I\right|_{\text{max}}}{\left|I\right|_{\text{min}}} = S_{I} = \frac{\cosh(\alpha_{L}w_{1} + \rho_{s})}{\sinh(\alpha_{L}w_{2} + \rho_{s})}$$
(3.4)

where ρ_s , the terminal attenuation function, is equal to zero for an open circuit with no appreciable end effect and w_1 , w_2 are the distances from the end of the antenna to the current peak and null, respectively.

With S_1 , w_1 and w_2 determined experimentally, α_L can be solved for by iteration. Equation (3.4) was programmed on a Hewlett-Packard 9821A calculator to obtain the desired results for α_L . For significant end effects, ρ_s is no longer zero and the α_L solved for is not the true attenuation but an effective value which includes a contribution due to ρ_s . When ρ_s is comparable in magnitude to α_L h, the concept of an effective α_L cannot be used. It turns out that this is the situation that exists for d/λ_0 = .25. This special case is discussed in detail in Section 1.8 in Volume I.

The input admittance measurements for a monopole over fresh water are shown in Figs. 3.20 through 3.24 with the corresponding circle diagrams in Figs. 3.25 through 3.29. At $d/\lambda_0=.01$ and .02, the measured input admittance is compared with the theoretical admittance obtained by King in (1.16). As with the current and charge distributions, the agreement between experimental and predicted results is good considering that the zeroth-order theory contains no corrections for end or junction effects. In the other three cases, $d/\lambda_0=.05$, .1, and .25, the measured data are compared with the transmission-line form for the admittance given by (1.16) with the measured



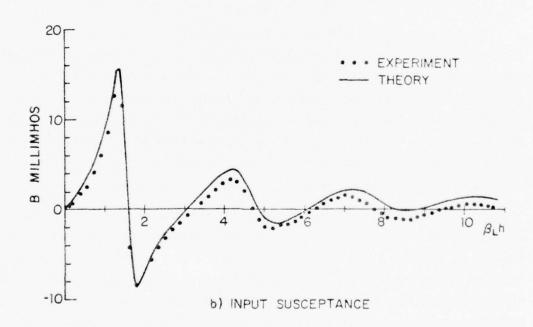
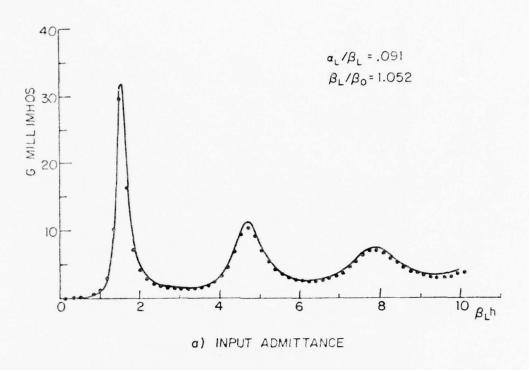


FIG. 3.20. INPUT ADMITTANCE OF MONOPOLE OVER FRESH WATER; d/ λ_0 =.01 AND d/ λ_0 =.0015



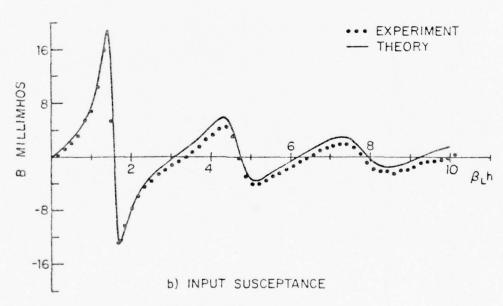
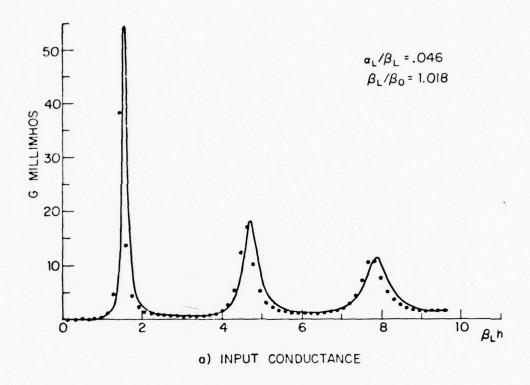


FIG. 3.21]NPUT ADMITTANCE OF MONOPOLE OVER FRESH WATER; d/ λ_0 =.02 AND a/ λ_0 =.0015



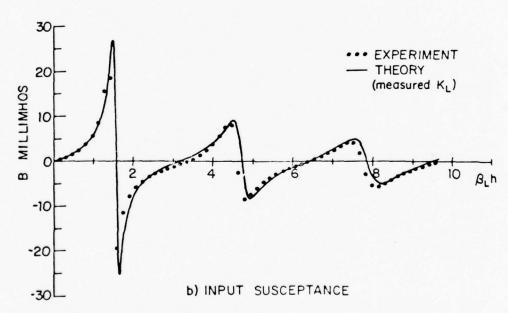
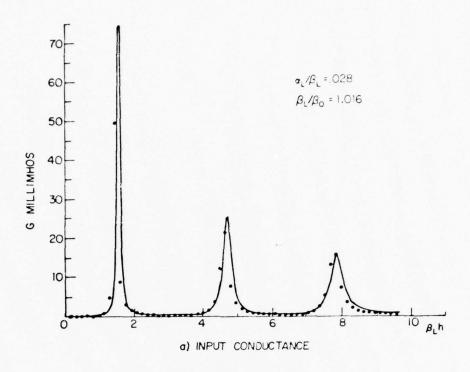


FIG.3.22. INPUT ADMITTANCE OF MONOPOLE OVER FRESH WATER USING MEASURED KL; d/ λ_0 = .05 AND d/ λ_0 = .0015



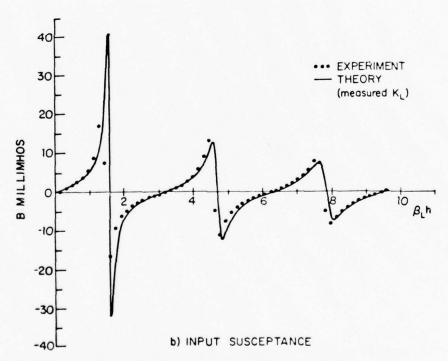
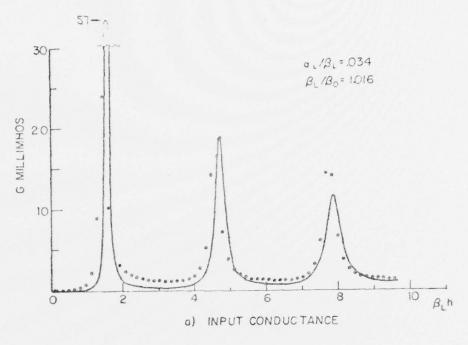


FIG. 3.23. INPUT ADMITTANCE OF MONOPOLE OVER FRESH WATER USING MEASURED K_L; d/λ_0 = .1 AND σ/λ_0 = .0015



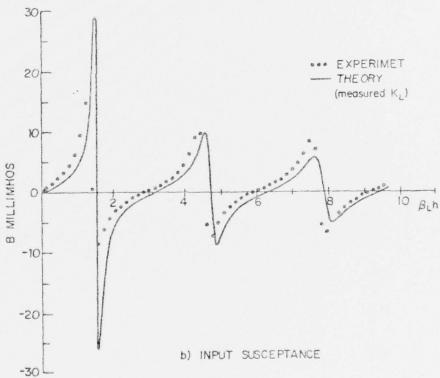


FIG-3.24.INPUT ADMITTANCE OF MONOPOLE OVER FRESH WATER USING MEASURED K, d/ λ_0 = .25 AND d/ λ_0 = .0015

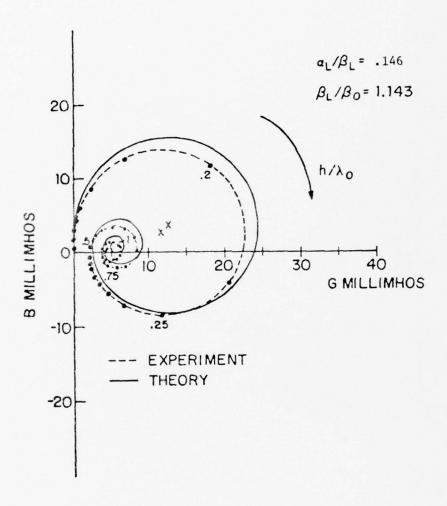


FIG.3.25.INPUT ADMITTANCE CIRCLE DIAGRAM OF MONOPOLE OVER FRESH WATER; d/ λ_0 =.01 AND d/ λ_0 =.0015.

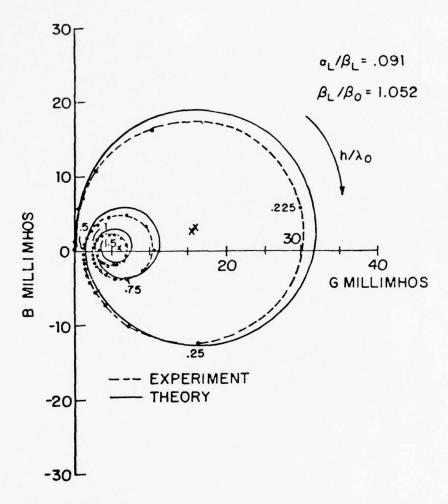


FIG.3.26.INPUT ADMITTANCE CIRCLE DIAGRAM OF MONOPOLE OVER FRESH WATER; d/λ_0 =.02 AND d/λ_0 = .0015.

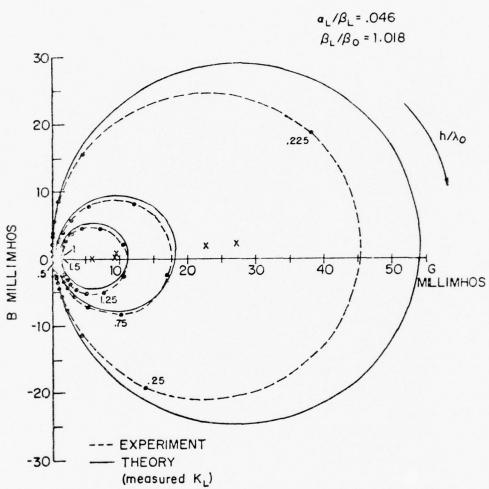


FIG. 3.27.INPUT ADMITTANCE OF MODIFIED BEVERAGE ANTENNA OVER FRESH WATER USING MEASURED K_; d/ λ_0 =.05 AND a/ λ_0 =.0015

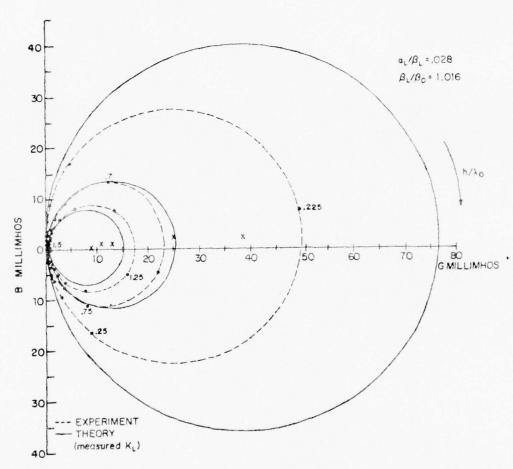


FIG. 3.28INPUT ADMITTANCE CIRCLE DIAGRAM OF MONOPOLE OVER FRESH WATER USING MEASURED K, d/ λ_0 =.1 AND d/ λ_0 =.0015

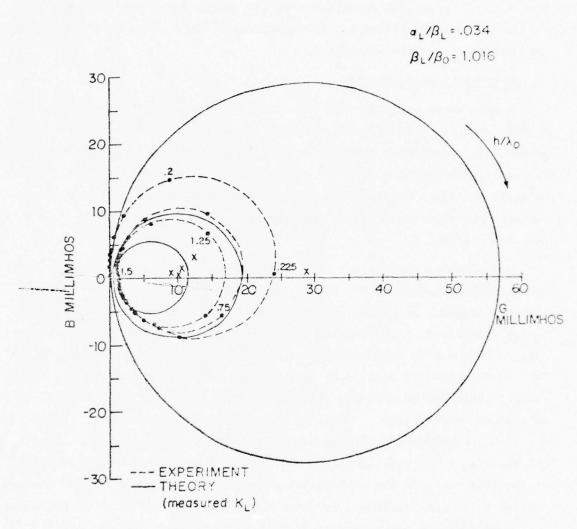


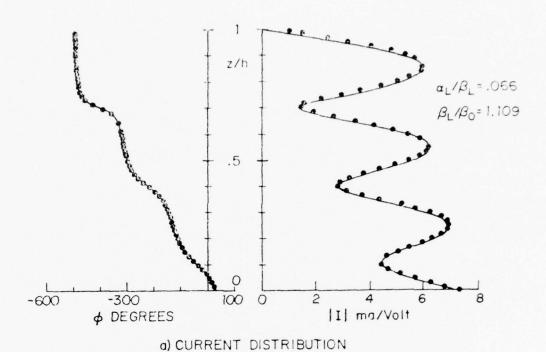
FIG.3.294NPUT ADMITTANCE CIRCLE DIAGRAM OF MONOPOLE OVER FRESH WATER USING MEASURED K_, d/ λ_0 =.25 AND d/ λ_0 =.0015

effective wave numbers. In the d/λ_0 = .05 and d/λ_0 = .1 cases, the agreement is good for a zeroth-order theory except in the region of the first resonance. At d/λ_0 = .25, where the validity of the transmission-line behavior becomes questionable, the agreement is not very good. This suggests that at this height the departure from the simple zeroth-order theory for the current and admittance may be significant. Tabulation of the measured admittance is given in Appendix B.

Salt-Water Measurements

A salt-water solution with the electrical properties described by $\epsilon_{\rm r}$ = 81 and σ = 3.9 mhos/m was used for this set of measurements. This solution corresponds to solution number 3 in Section 2.5. The electrical properties were initially measured at 19° C and then later rechecked at 22° C. No noticeable change in the conductivity or relative dielectric constant was observed. All measurements were made with the water temperature in the range from 19° C to 22° C.

The measured current and charge distributions for the salt-water case are presented in Figs. 3.30 through 3.46. Tables of the measured data are given in Appendix B. A set of conclusions similar to those for fresh water can be drawn from an examination of the data. For the two closest spacings, d/λ_0 = .01 and .02, the measurements agree quite well with King's theory. This is evidenced in Figs. 3.30 through 3.35. It is interesting to observe that at these two heights the line attenuation is significantly higher for an antenna over fresh water than it is for one over salt water. Figs. 3.36 and 3.40 compare King's theory with the experimental measurements for d/λ_0 = .05 and $d/\lambda_0 = .1$, respectively. For both of these cases, variations greater than 20% arise in the attenuation constant. A comparison of the measured data with the semi-empirical solution using the measured value of the effective wave number k, is presented in Figs. 3.37 through 3.39 and Figs. 3.41 through 3.43. As in the fresh-water case, it is evident that the sinusoidal form for the current and charge still holds and that the agreement is quite good when the measured effective wave number is used. For d/λ_0 = .25, shown in Figs. 3.44 through 3.46, the departure from sinusoidal theory becomes more evident with the greatest variation appearing at the driving point. For an approximate representation of the current and charge distributions, the semi-empirical solution may be quite acceptable.



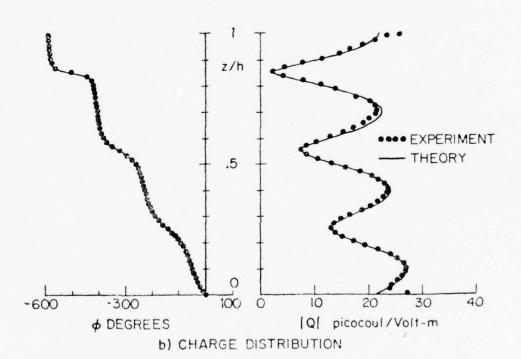
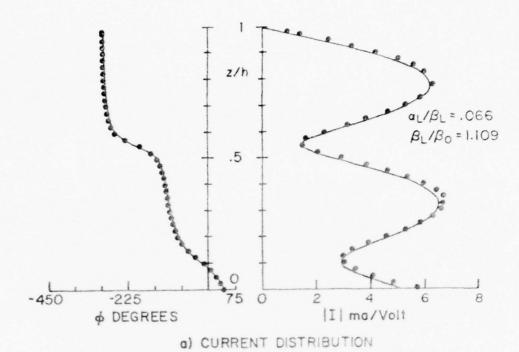


FIG.3.30. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER SALT WATER; \hbar/λ_0 =1.5 AND d/λ_0 =.01.



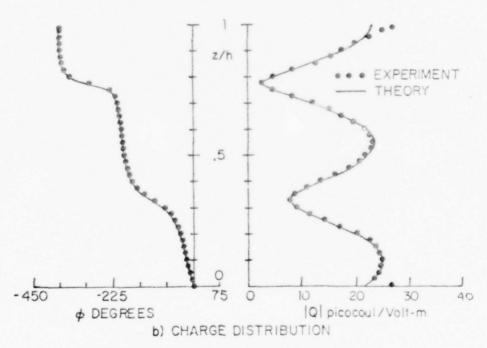
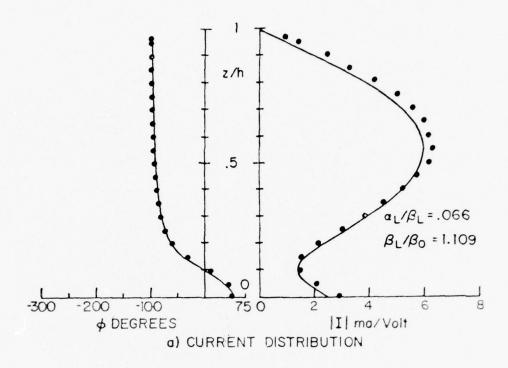


FIG.3.31.CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER SALT WATER; $\hbar/\lambda_0=1$ AND $d/\lambda_0=.01$.



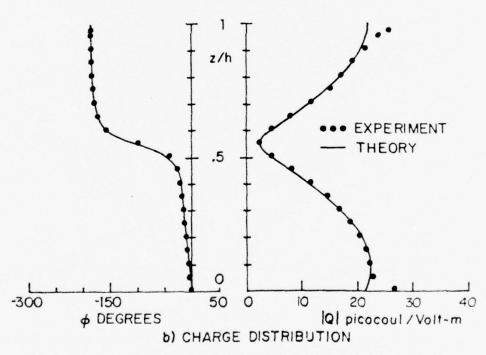
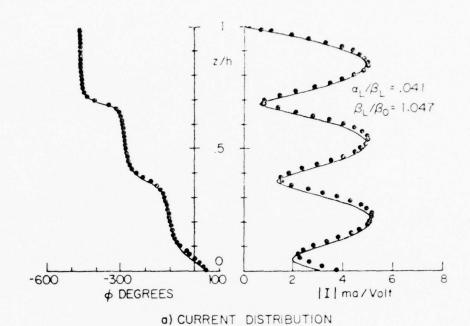


FIG.3.32. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER SALT WATER; \hbar/λ_0 = .5 AND d/λ_0 = .01.



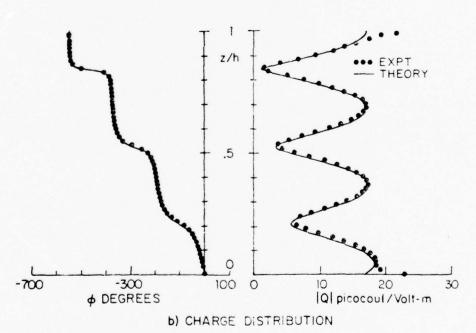
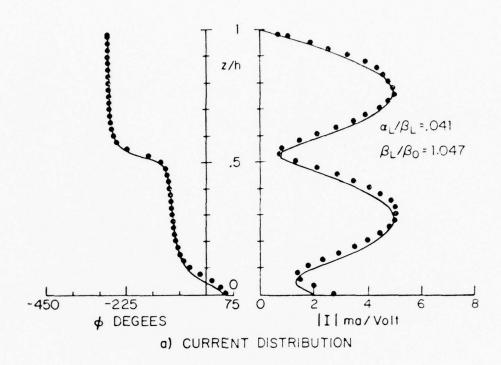
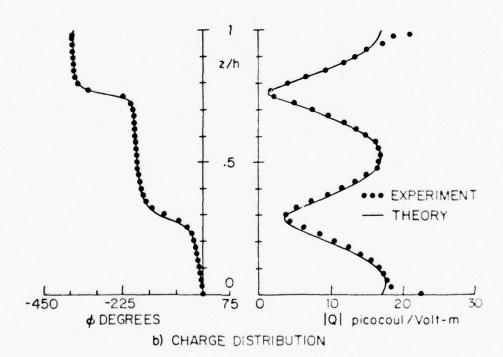


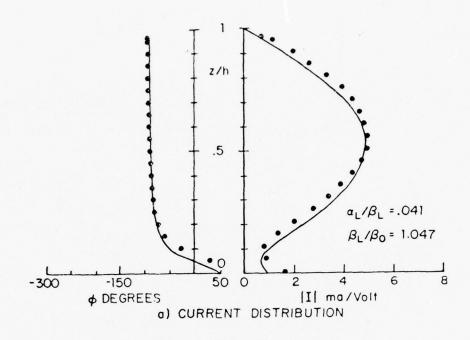
FIG. 3.33. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER SALT WATER; $h/\lambda_0 = 1.5$ AND $d/\lambda_0 = .02$.





1

FIG. 3.34. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER SALT WATER; $h/\lambda_0 = 1$ AND $d/\lambda_0 = .02$.



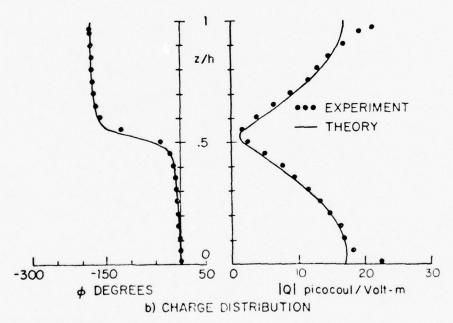
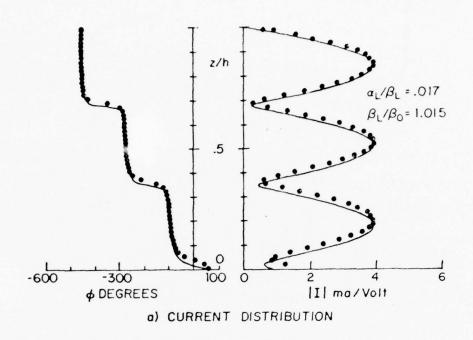


FIG.3.35. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER SALT WATER; $h/\lambda_0 = .5$ AND $d/\lambda_0 = .02$.



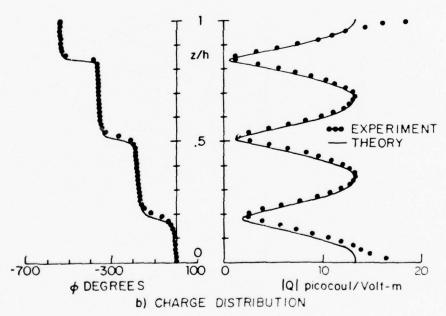
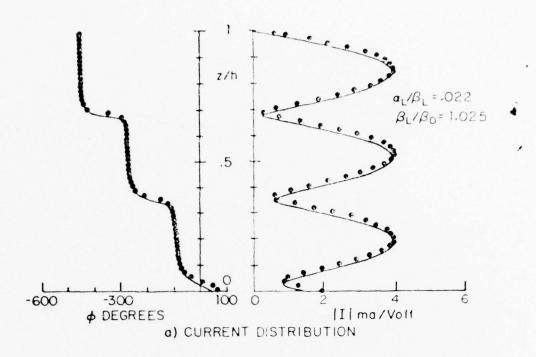


FIG.3.36 CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER SALT WATER USING THEORETICAL WAVENUMBER; $\hbar/\lambda_0 = 1.5$ AND $d/\lambda_0 = .05$



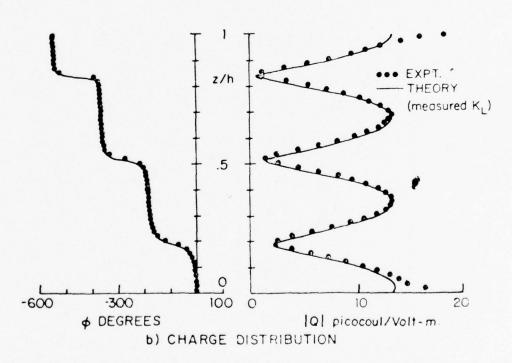
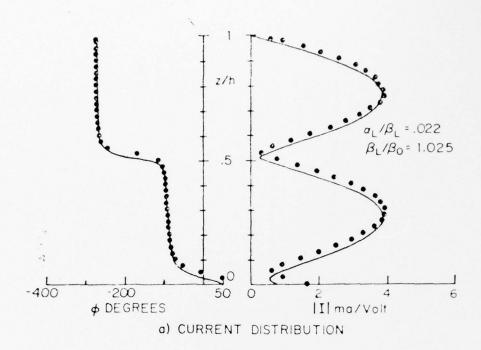


FIG. 3.37. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER SALT WATER USING MEASURED WAVENUMBER; h/λ_0 =1.5 AND d/λ_0 =.05.



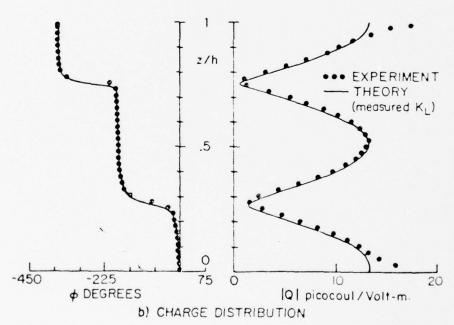
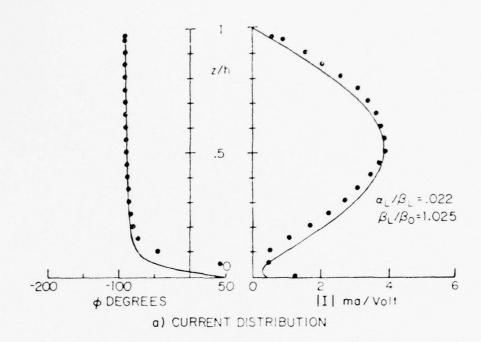


FIG. 3.38 CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER SALT WATER USING MEASURED WAVENUMBER; h/ λ_0 =1 AND d/ λ_0 =.05



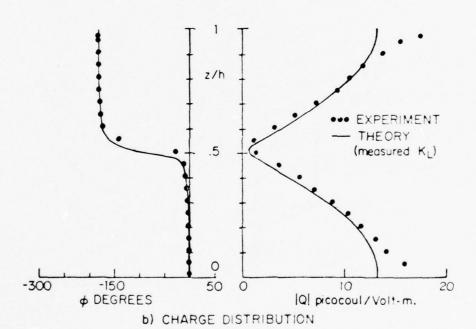
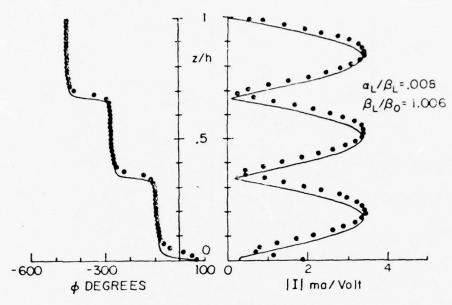


FIG.3.39- CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER SALT WATER USING MEASURED WAVENUMBER; h/λ_0 =.5 AND d/λ_0 =.05.





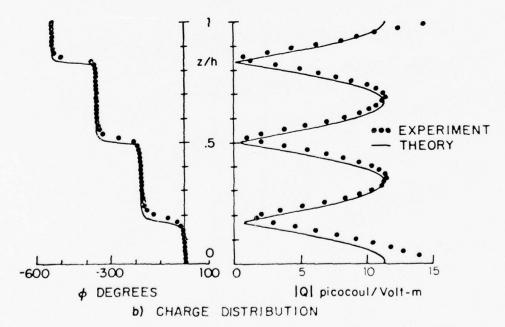
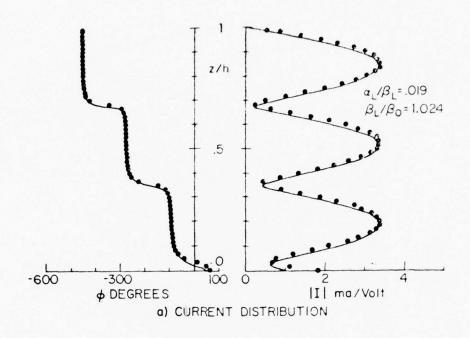


FIG.3.40.CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER SALT WATER USING THEORETICAL WAVENUMBER; \hbar/λ_0 = 1.5 AND d/λ_0 = .1.



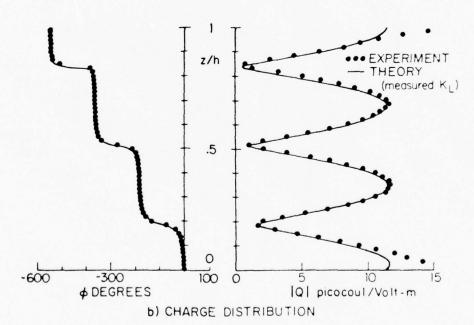
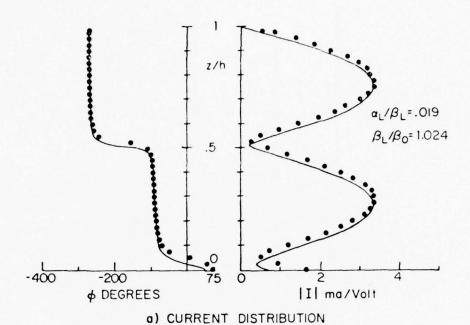


FIG.3.41. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER SALT WATER USING MEASURED WAVENUMBER; h/λ_0 = 1.5 AND d/λ_0 =.1.



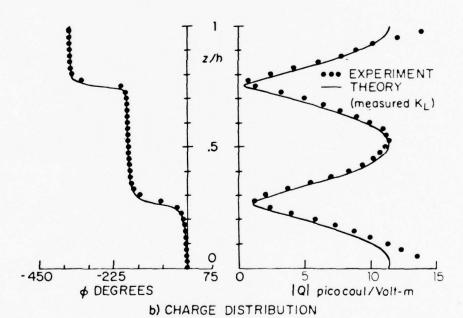
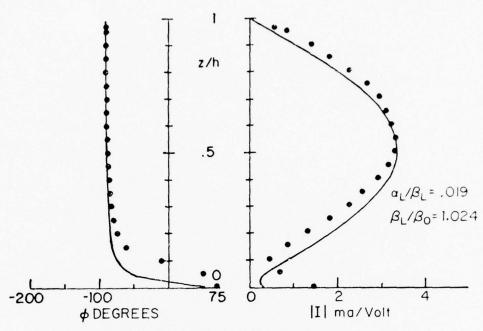


FIG. 3.42-CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER SALT WATER USING MEASURED WAVENUMBER; \hbar/λ_0 = 1 AND d/λ_0 = .1.



a) CURRENT DISTRIBUTION

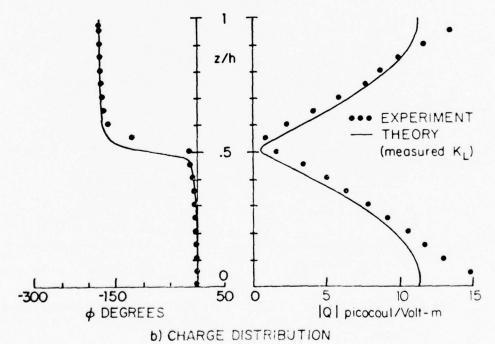
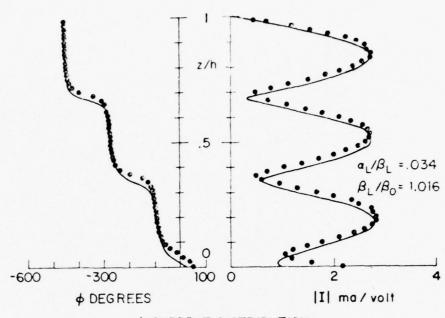
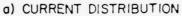


FIG.3.43. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER SALT WATER USING MEASURED WAVENUMBER; $h/\lambda_0 \approx .5$ AND $d/\lambda_0 = .1$.





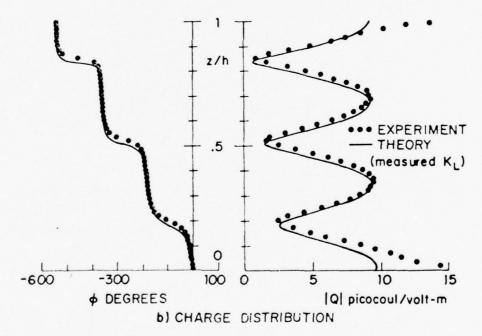
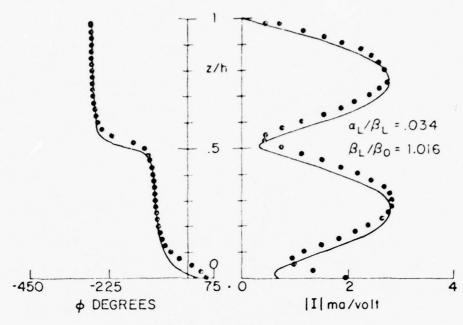


FIG.3.44.CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER SALT WATER USING MEASURED WAVE NUMBER; \hbar/λ_0 = 1.5 AND d/λ_0 = .25.



a) CURRENT DISTRIBUTION

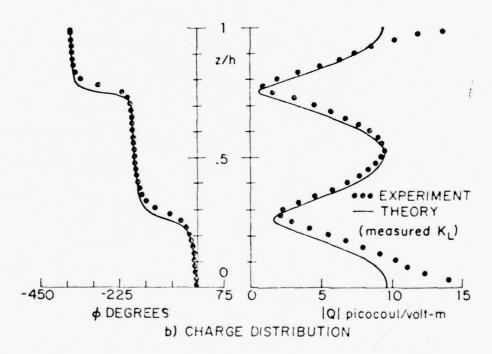
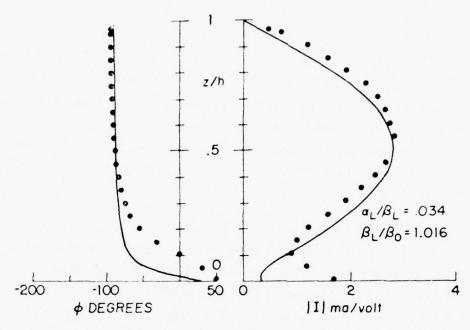


FIG. 3.45. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER SALT WATER USING MEASURED WAVE NUMBER; h/λ_0 = 1 AND d/λ_0 = .25.



a) CURRENT DISTRIBUTION

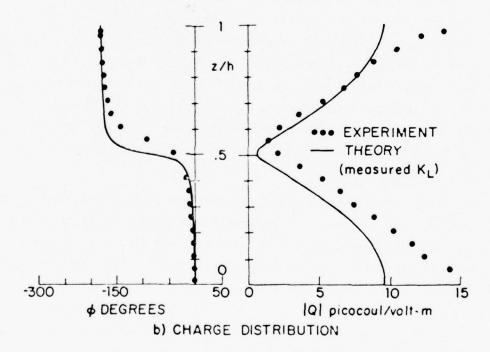


FIG. 3.46. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER SALT WATER USING MEASURED WAVENUMBER; \hbar/λ_0 = .5 AND d/ λ_0 = .25.

Figure 3.47 compares the theoretical wave numbers on the wire with the measured values obtained from the previous data. At d/λ_0 = .01 and .02, the error in α_L/β_L is within 10% but this variation becomes much larger for greater heights as evidenced by Figs. 3.36 and 3.40.

Rectangular admittance plots are presented in Figs. 3.48 through 3.52; the corresponding admittance circle diagrams are shown in Figs. 3.53 through 3.57. Both sets are displayed in order of increasing d/λ_0 . The conclusions to be drawn from these two sets of curves are identical to those for the fresh-water case.

Moist-Earth Measurements

Since these measurements were made on an outdoor ground plane, the external conditions could not be controlled as completely as in the two previous cases. The measurements were made over a nine-day period in early December. The air temperature during this period ranged from 35° F to 40° F ($^{\circ}_{\text{V}}$ 2° - 5° C). The earth was a rich moist loamy material which was determined to consist of 20% water by weight. The electrical properties were determined to be ϵ_{r} = 11.5 and σ = .0022 mhos/m. Measurements made on earth samples taken three days apart gave comparable results. To prevent the earth's properties from changing drastically over the period during which measurements were taken, the area in front of the ground plane was covered with a large plastic sheet which was covered, in turn, with a pile of leaves. The sheet prevented rain from affecting the electrical properties of the earth, while the leaves were used as insulation to keep the earth from freezing at night.

The measured results for currents and charges are given in Figs. 3.58 through 3.69. Since the theoretical α_L values were found to be much larger than the measured effective α_L values at all heights, all measurements have been compared with the semi-empirical solution which utilizes measured effective wave numbers. The discrepancies in α_L are mainly due to the fact that the restriction, $|\mathbf{k}_2| >> |\mathbf{k}_1|$, imposed in King's theory is no longer strictly true for moist earth with ϵ_r = 11.5, although end effects may also play a factor in these discrepancies. Hence, at none of the heights was there acceptable agreement between King's theory and the experimental results. For d/λ_0 = .02, .05, and .1, the sinusoidal nature of the current and charge is obvious and, given the measured wave number, the agreement is

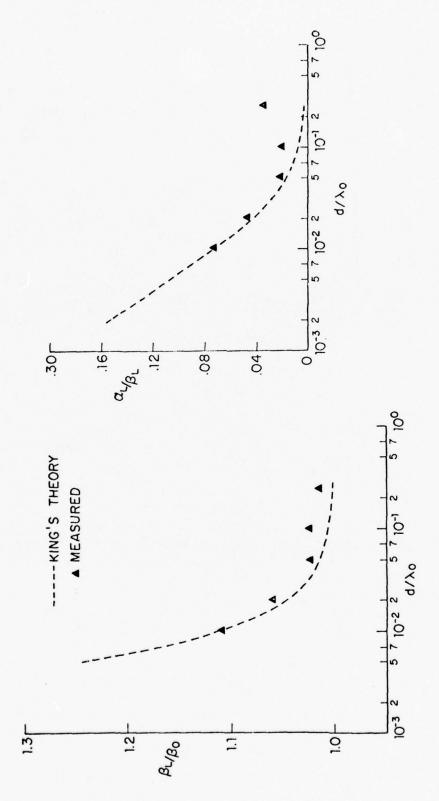
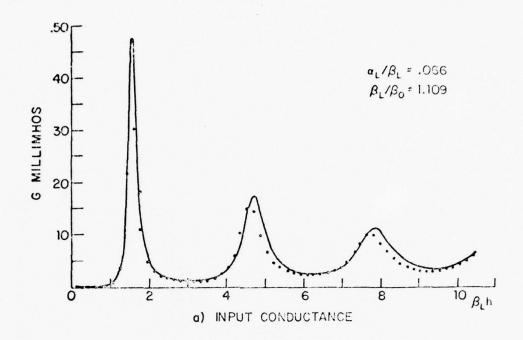


FIG. 3.47. WAVENUMBER ON HORIZONTAL WIRE OVER SALT WATER; Er = 81 AND Pe = 2.885



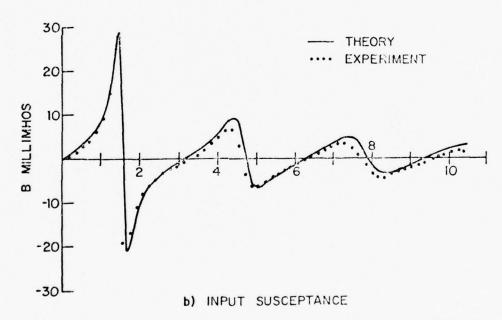
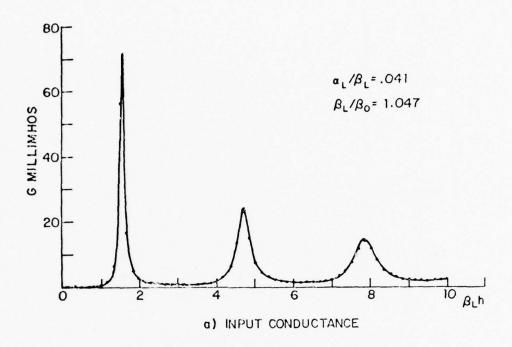


FIG. 3.48. INPUT ADMITTANCE OF MONOPOLE OVER SALT WATER; d/λ_0 = .01 AND a/λ_0 = .0015.



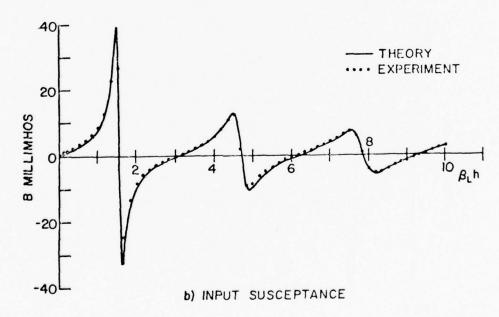
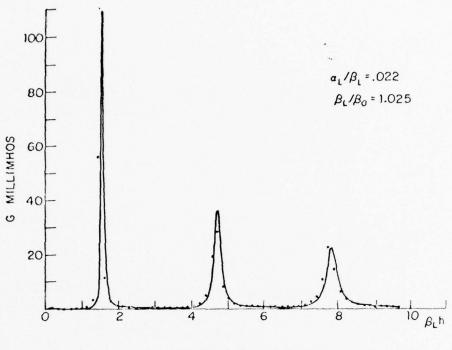


FIG. 3.49. INPUT ADMITTANCE OF MONOPOLE OVER SALT WATER; d/λ_0 =.02 AND a/λ_0 =.0015.





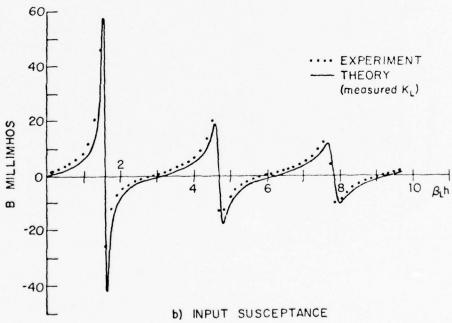
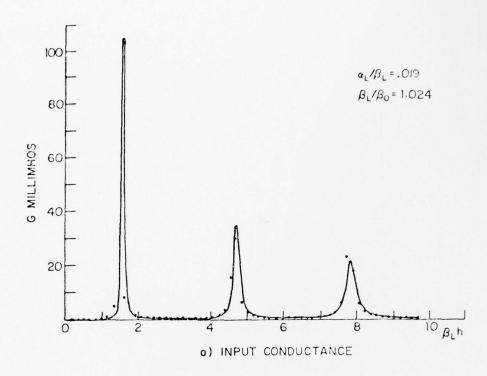


FIG. 3.50. INPUT ADMITTANCE OF MONOPOLE OVER SALT WATERUSING MEASURED K_L ; $d/\lambda_0 = .05$ AND $d/\lambda_0 = .00/5$.



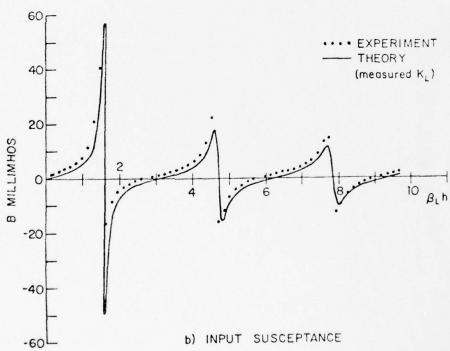
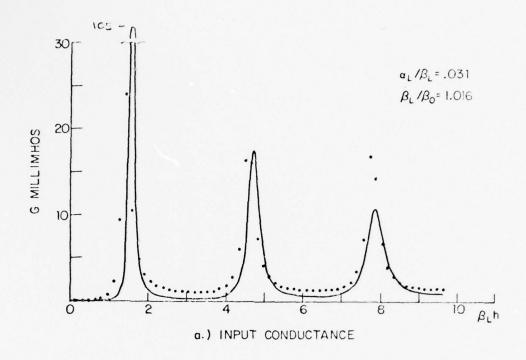


FIG. 3.51. INPUT ADMITTANCE OF MONOPOLE OVER SALT WATER USING MEASURED K_L; d/λ_0 = .1 AND d/λ_0 = .0015.



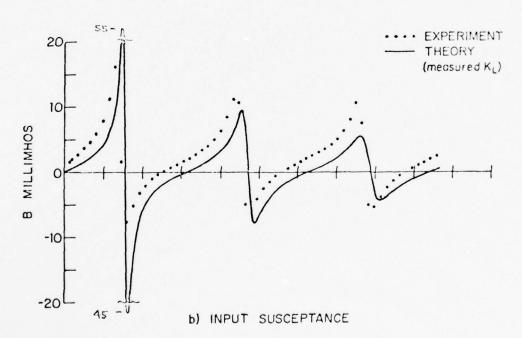


FIG. 3.52. INPUT ADMITTANCE OF MONOPOLE OVER SALT WATER USING MEASURED K_L; d/ λ_0 =.25 AND d/ λ_0 =.0015.

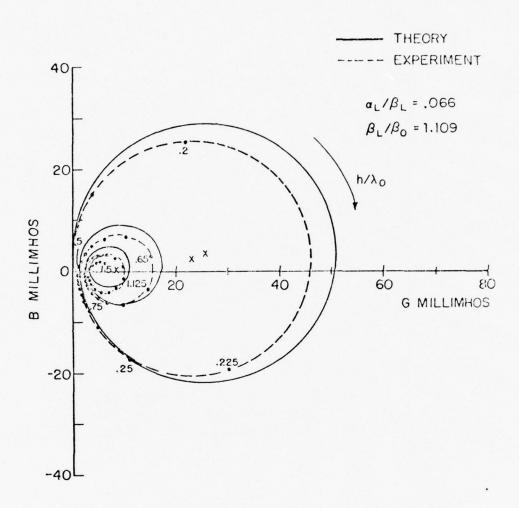


FIG. 3.53. INPUT ADMITTANCE CIRCLE DIAGRAM OF MONOPOLE OVER SALT WATER; d/λ_0 = .01 AND σ/λ_0 = .0015.

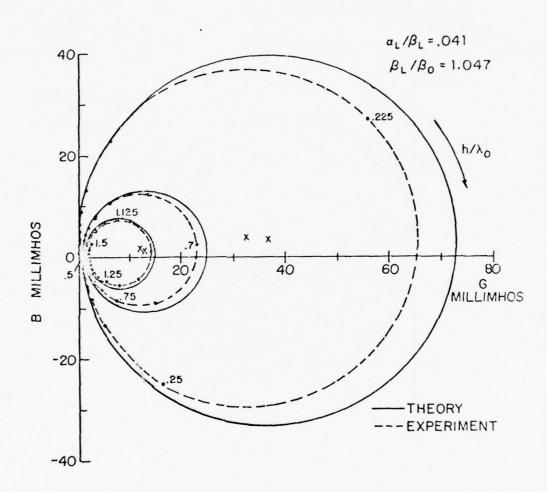


FIG. 3.54. INPUT ADMITTANCE CIRCLE DIAGRAM OF MONOPOLE OVER SALT WATER; d/λ_0 =.02 AND d/λ_0 =.0015.

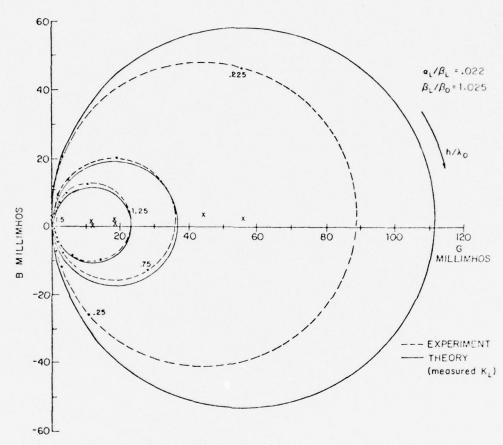


FIG. 3.55. INPUT ADMITTANCE CIRCLE DIAGRAM OF MONOPOLE OVER SALT WATER USING MEASURED K_L; d/λ_0 = .05 AND σ/λ_0 = .0015.

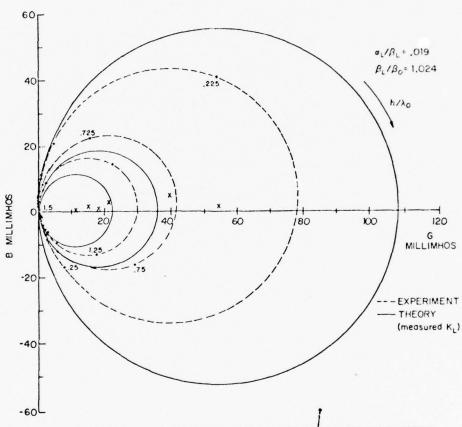


FIG. 3.56. INPUT ADMITTANCE CIRCLE DIAGRAM OF MONOPOLE OVER SALT WATER USING MEASURED K_L ; $d/\lambda_0 = .1$ AND $d/\lambda_0 = .0015$.

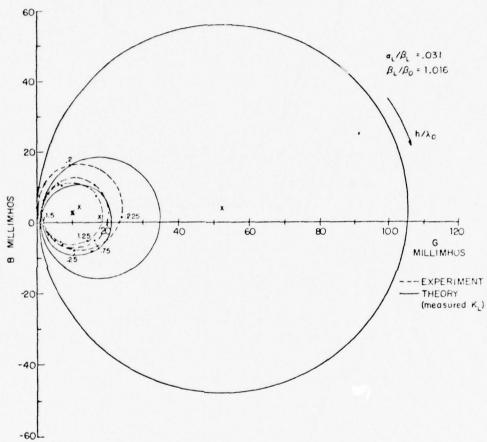
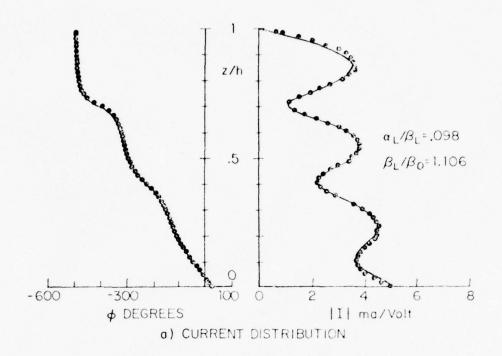


FIG. 3.57. INPUT ADMITTANCE CIRCLE DIAGRAM OF MONOPOLE OVER SALT WATER USING MEASURED $\kappa_L;~d/\lambda_0$ = .25 AND d/λ_0 = .0015.



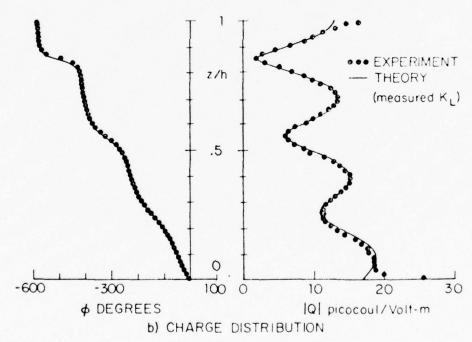
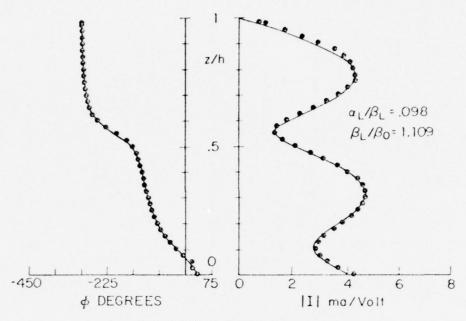


FIG. 3.58. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER MOIST EARTH USING MEASURED WAVENUMBER; \hbar/λ_0 = 1.5 AND d/λ_0 = .02.



a) CURRENT DISTRIBUTION

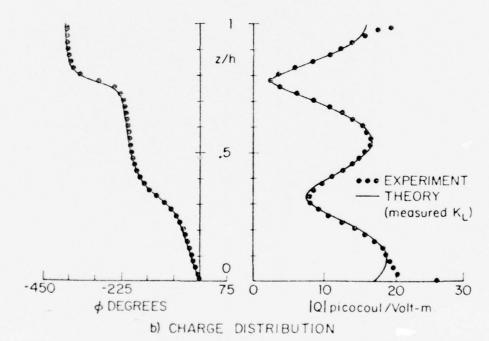
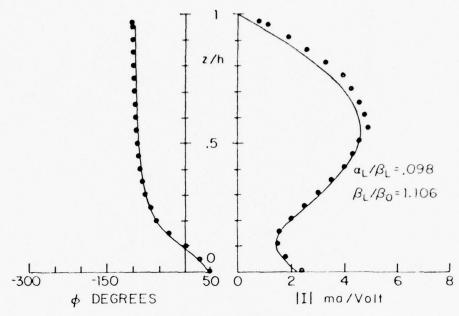


FIG. 3.59. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER MOIST EARTH USING MEASURED WAVENUMBER; $h/\lambda_0=1$ AND $d/\lambda_0=.02$.



a) CURRENT DISTRIBUTION

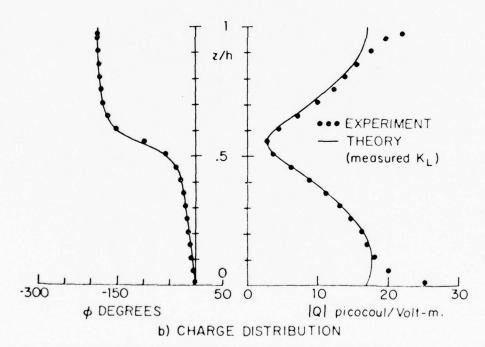
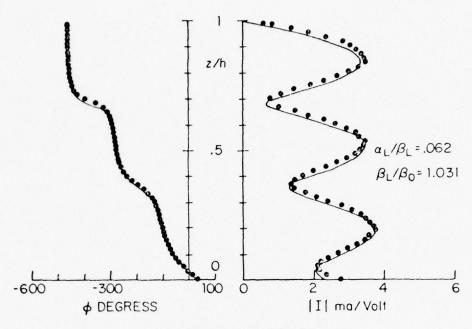


FIG. 3.60. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER MOIST EARTH USING MEASURED WAVENUMBER; \hbar/λ_0 = .5 AND d/λ_0 =.02.



a) CURRENT DISTRIBUTION

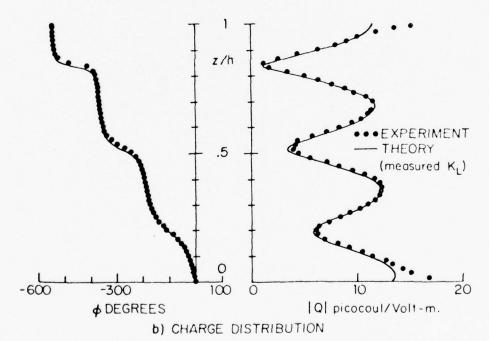
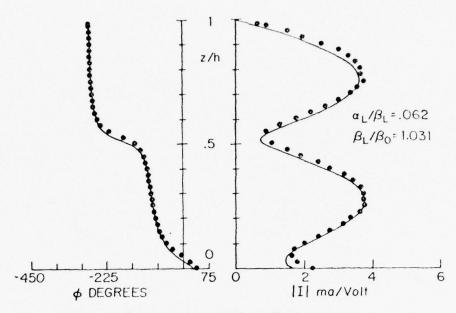
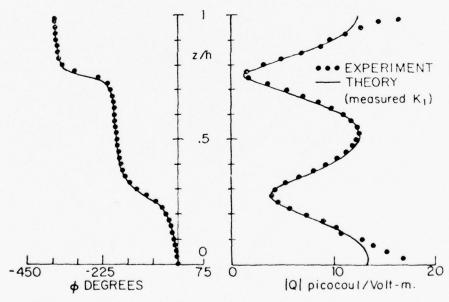


FIG. 3.61. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER MOIST EARTH USING MEASURED WAVENUMBER; \hbar/λ_0 =1.5 AND d/λ_0 =.05.

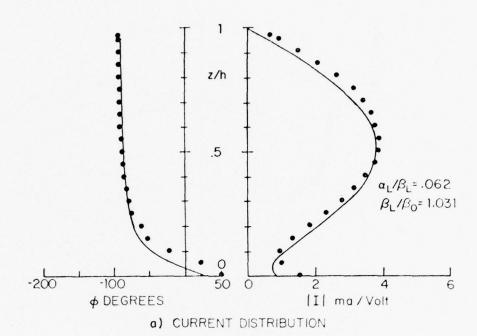


a) CURRENT DISTRIBUTION



b) CHARGE DISTRIBUTION

FIG. 3.62. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER MOIST EARTH USING MEASURED WAVENUMBER; \hbar/λ_0 =1 AND d/λ_0 =.05.



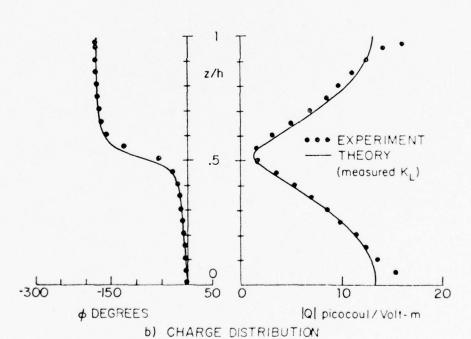
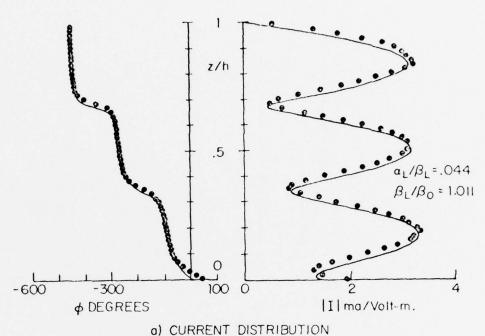


FIG. 3.63. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER MOIST EARTH USING MEASURED WAVENUMBER; \hbar/λ_0 = .5 AND d/λ_0 = .05.



d) CORNEINT DISTRIBUTION

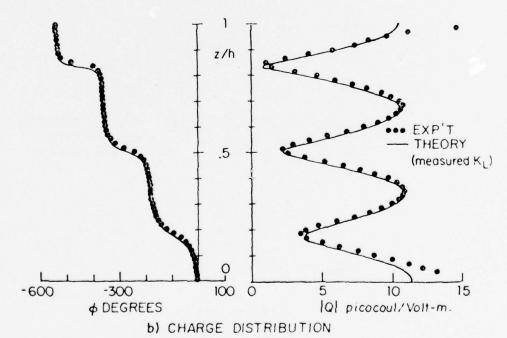
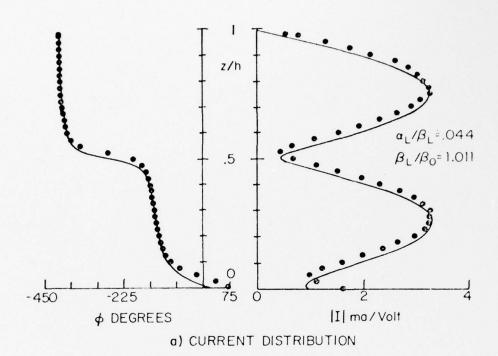


FIG. 3.64. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER MOIST EARTH USING MEASURED WAVENUMBER; \hbar/λ_0 = 1.5 AND d/λ_0 = .1.



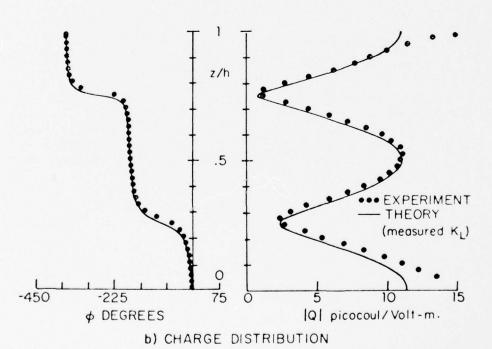
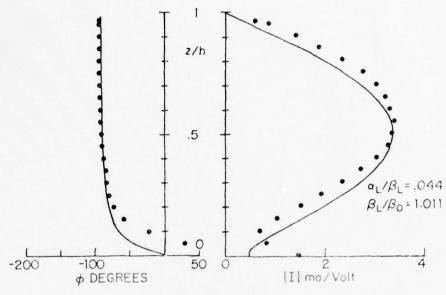
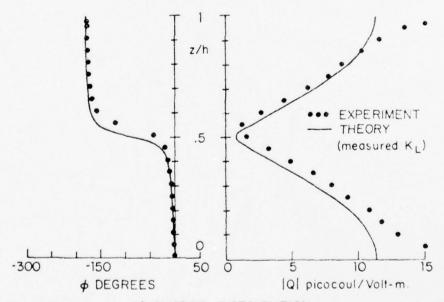


FIG. 3.65. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER MOIST EARTH USING MEASURED WAVENUMBER; h/λ_0 = 1 AND d/λ_0 = .1.

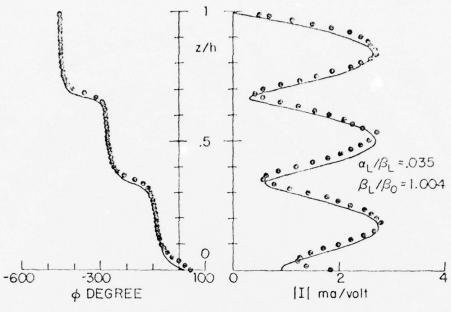






b) CHARGE DISTRIBUTION

FIG. 3.66. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER MOIST EARTH USING MEASURED WAVENUMBER; \hbar/λ_0 =.5 AND d/λ_0 =.1.



a) CURRENT DISTRIBUTION

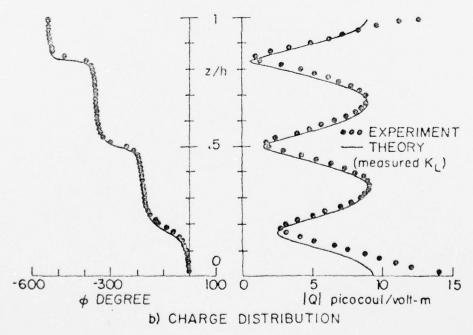
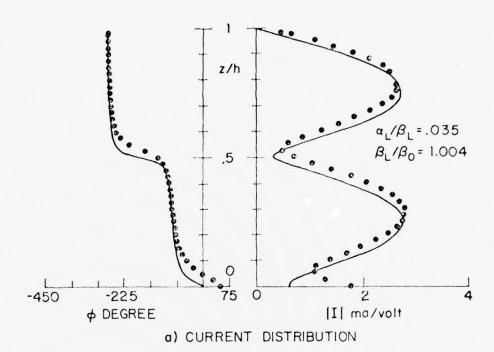


FIG. 3.67. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER MOIST EARTH USING MEASURED WAVENUMBER; \hbar/λ_0 = 1.5 AND d/λ_0 =.29.



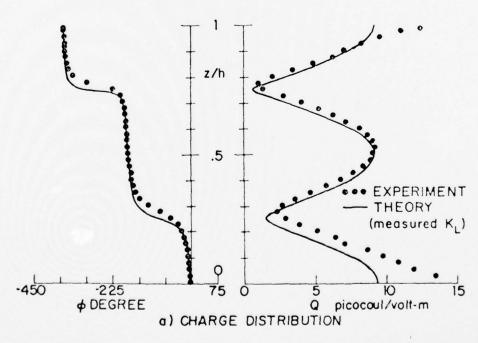
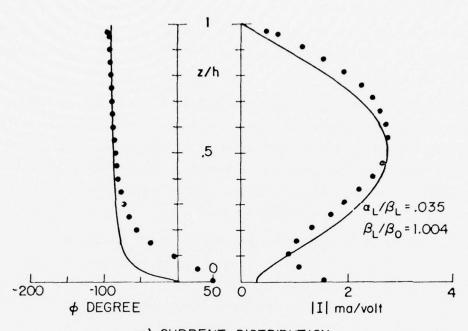
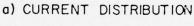
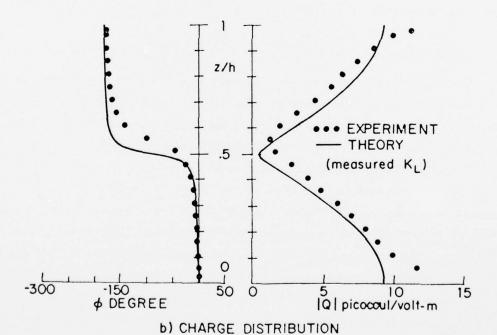


FIG. 3.68. CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER MOIST EARTH USING MEASURED WAVENUMBER; \hbar/λ_0 = 1 AND d/λ_0 = .29







CURRENT AND CHARGE DISTRIBUTION ON MONOPOLE OVER MOIST EARTH USING MEASURED WAVENUMBER; \hbar/λ_0 = .5 AND d/ λ_0 = .29.

FIG. 3.69.

quite good. The d/λ_0 = .25 measurements have characteristics similar to those taken at the same height over the previous two media. The currents and charges are not strictly sinusoidal in form with the greatest departure observed at the driving point.

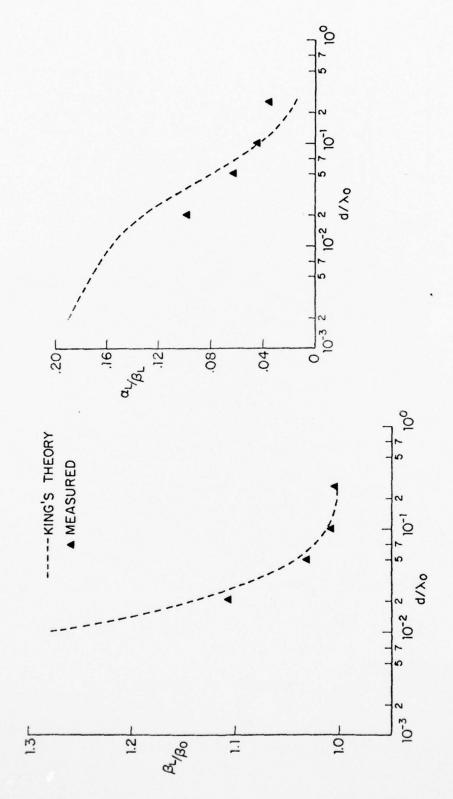
Figure 3.70 shows the comparison between the measured effective wave numbers and those predicted by King. For the smallest height measured, d/λ_0 = .02, the error in the predicted attenuation constant is 35%. It is interesting to note that when comparing antennas at comparable heights above the three different media, the attenuation (radiation loss) is consistently greatest for the wire over the moist earth.

The admittance measurements appear in Figs. 3.71 through 3.78. The agreement for d/λ_0 = .02 and .05 is seen to be quite good considering the limitations of the zeroth-order approximation. At d/λ_0 = .1, the agreement is not as good as for the two water cases, especially in the second and third resonance. As before, the zeroth-order admittance for d/λ_0 = .25 clearly cannot give an accurate approximation. The data for the measured admittances as well as for the currents and charges appear in Appendix B.

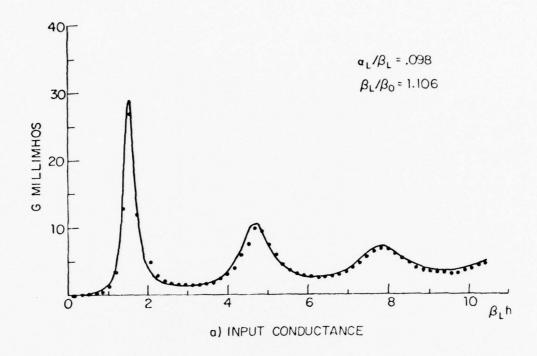
3.4. Presentation of Measured Data for the Modified Beverage Wave Antenna

The measurements in Section 3.3 were repeated for an antenna terminated in a resistor and quarter-wave section to form the modified Beverage antenna. The data are presented in an identical manner. All the measured data, both normalized and unnormalized, are contained in Appendix B. For the current and charge distributions data points were taken every 5 cm $(.05\lambda_0)$ to obtain accurate representations for these quantities. When the antenna is properly matched, the current and charge distributions are smoothly varying and measurements spaced every 5 cm provide good resolution. The input admittance at each height was measured for only four antenna lengths $(\ell_1/\ell_0) = 1.5$, $(\ell_1/\ell_0) = 1.5$

For all cases the best match condition was obtained basically by trial and error. The appropriate quarter-wave section could be ascertained from the measured wave number. Once this was determined, different resistors



WAVENUMBER ON HORIZONTAL WIRE OVER MOIST EARTH, $Er=11.5\ AND\ Pe=.012$. FIG. 3.70.



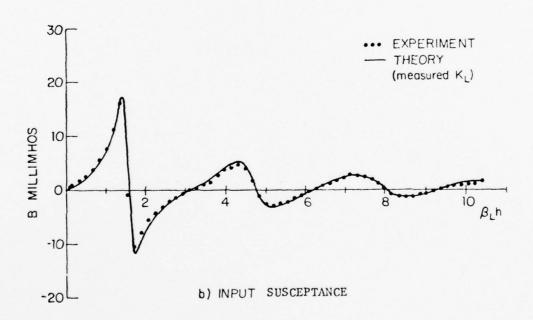
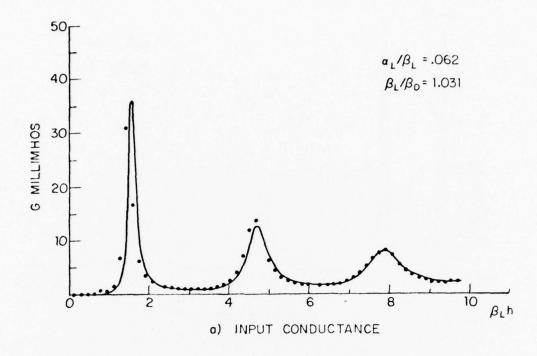


FIG. 3.71. INPUT ADMITTANCE OF MONOPOLE OVER MOIST EARTH USING MEASURED K_L; d/ λ_0 =.02 AND d/ λ_0 =.0015



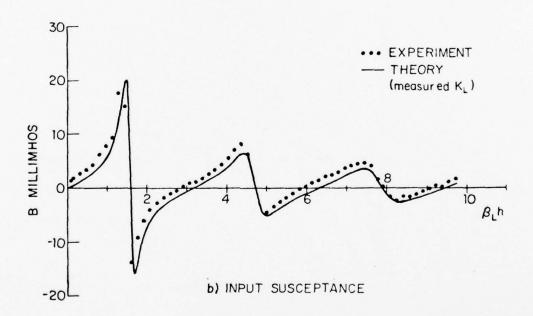
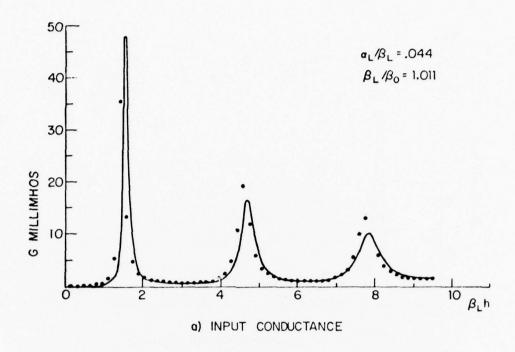


FIG. 3.72. INPUT ADMITTANCE OF MONOPOLE OVER MOIST EARTH USING MEASURED K_L; d/λ_0 =.05 AND a/λ_0 =.0015



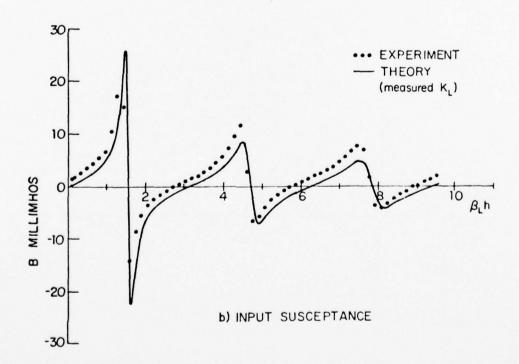
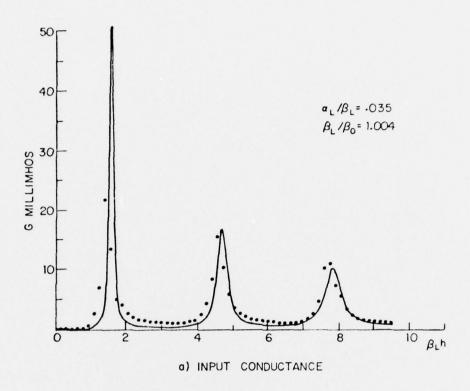


FIG. 3.73. INPUT ADMITTANCE OF MONOPOLE OVER MOIST EARTH USING MEASURED K_L; d/ λ_0 =.1 AND d/ λ_0 =.0015



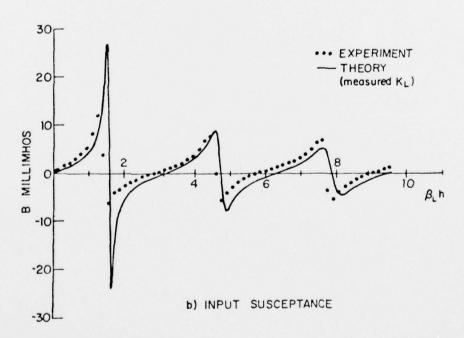


FIG. 3.74. INPUT ADMITTANCE OF MONOPOLE OVER MOIST EARTH USING MEASURED K_L; d/λ_0 =.29 AND d/λ_0 =.0015.

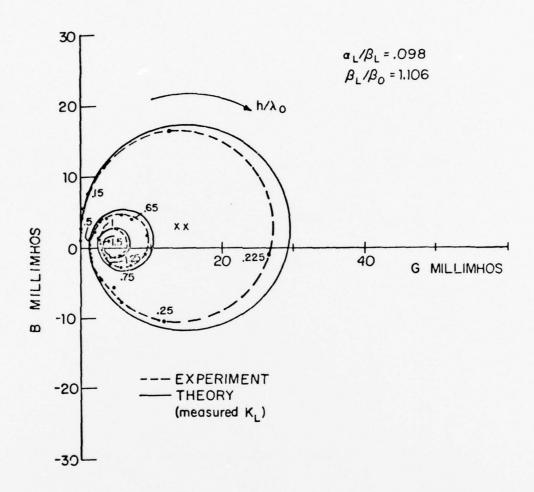


FIG. 3.75. INPUT ADMITTANCE CIRCLE DIAGRAM OF MONOPOLE O'/ER MOIST EARTH USING MEASURE K_L ; d/λ_0 = .02 AND a/λ_0 = .0015

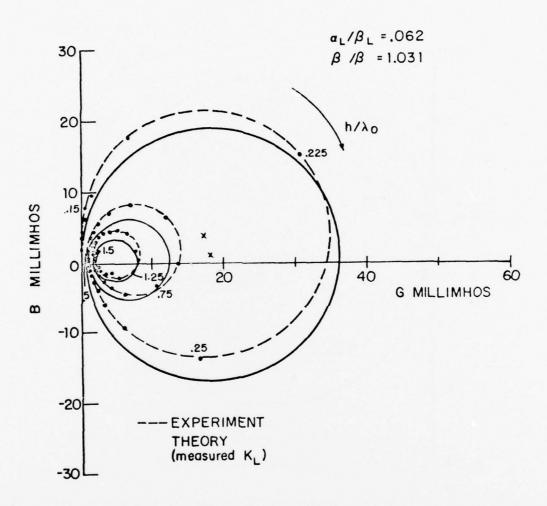


FIG. 3.76. INPUT ADMITTANCE CIRCLE DIAGRAM OF MONOPOLE OVER MOIST EARTH USING MEASURE K_L; d/ λ_0 = .05 AND σ/λ_0 = .0015

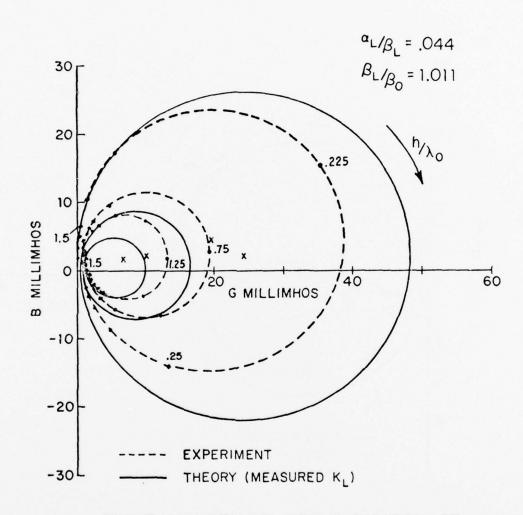


FIG. 3.77. INPUT ADMITTANCE CIRCLE DIAGRAM OF MONOPOLE OVER MOIST EARTH USING MEASURED K_L; $d/\lambda_0 = .1$ AND $a/\lambda_0 = .0015$.

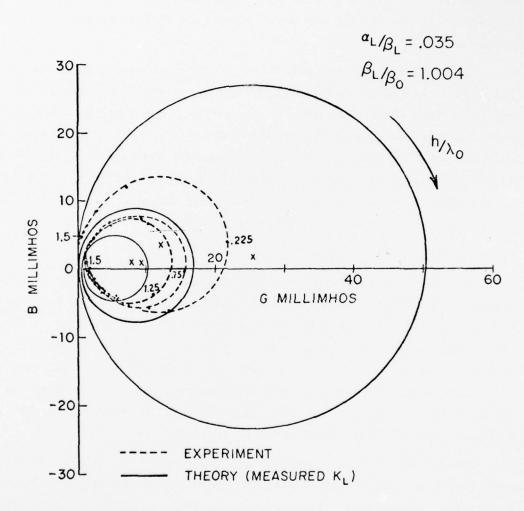
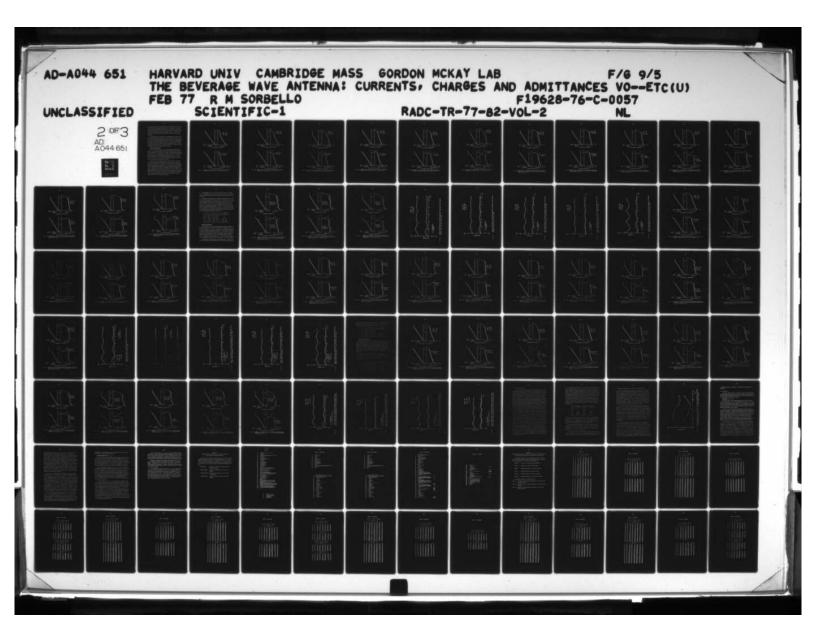


FIG. 3.78. INPUT ADMITTANCE CIRCLE DIAGRAM OF MONOPOLE OVER MOIST EARTH USING MEASURED K_L; d/λ_0 = .29 AND a/λ_0 = .0015.



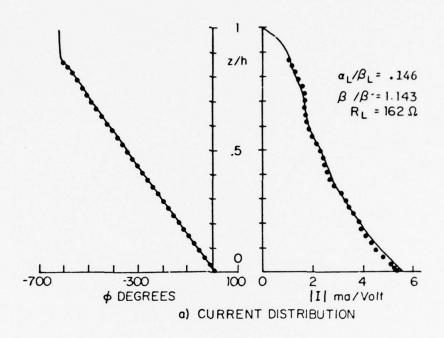
were connected along with the quarter-wave section to the end of the line and the VSWR on the antenna was measured with the charge probe. The resistor that gave the lowest VSWR was the one used. The amount of guess work involved in choosing the correct resistor was minimized by knowing the theoretical value for the characteristic impedance, Eq. (1.8). In most cases the resistor used was the one whose value came closest to the theoretical prediction.

The measured data were normalized in the same manner as in Section 3.3. All data are compared with either theoretical predictions, given by (1.54) and (1.56) for the current and charge, or for those cases in which the measured effective and theoretical wave numbers are in error with a semi-empirical solution that uses the form for the current and charge distributions in (1.54) and (1.56) and the measured effective wave number for k_L . Although no measurements were made on the quarter-wave section, the analytic form for the current and charge is presented in the figures.

Fresh-Water Measurements

With the critical quantity in all these measurements being the wave number, it is evident that the theoretical and measured effective wave numbers will agree over the same range of heights for the modified Beverage antenna case as for the unloaded cases. Figures 3.79 through 3.84 compare the measured results for the modified Beverage antenna at d/λ_0 = .01 and .02 with the theoretical current and charge expressions given in (1.54) and (1.56) with (1.7) for k_L . In all these figures the agreement is very good and the traveling-wave distribution is apparent.

Figures 3.85 and 3.89 compare measured results for d/λ_0 = .05 and .1 with the current and charge distributions in (1.54) and (1.56) using the theoretical wave number. The agreement in these two sets of curves is satisfactory even though the theoretical α_L is much smaller than the measured value. To improve the agreement, the same semi-empirical approach was used as in the monopole case. Figures 3.86 through 3.88 and 3.90 through 3.92 compare measured current and charge distributions for d/λ_0 = .05 and .1 with analytic expressions in (1.54) and (1.56) with the measured effective wave number for k_L . The agreement is seen to be quite good except for variations at the driving point and at the resistive load which cannot be properly taken care of by the zeroth-order expressions.



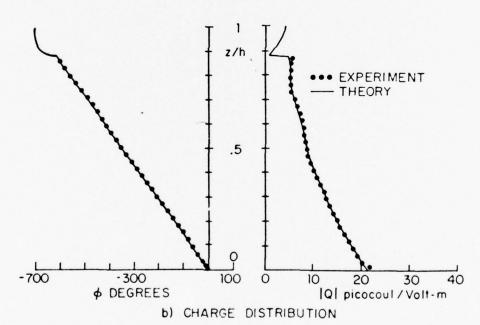
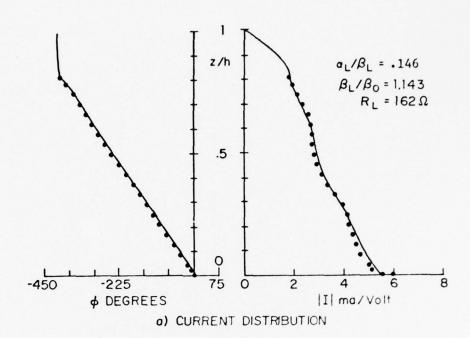


FIG. 3.79. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER FRESH WATER; ℓ_1/λ_0 -1.5 AND d/λ_0 =.01.



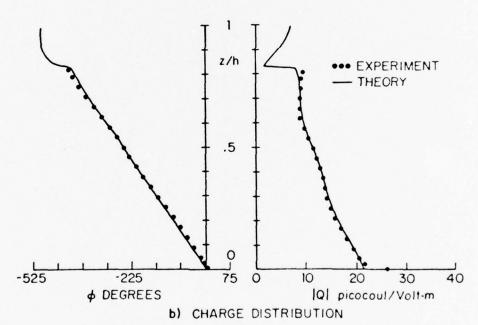
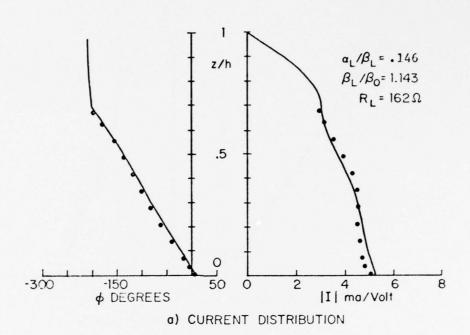


FIG. 3.80. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER FRESH WATER; ${}^{1}/{}^{\lambda}{}_{0}$ =1 AND ${}^{d}/{}^{\lambda}{}_{0}$ =.01.



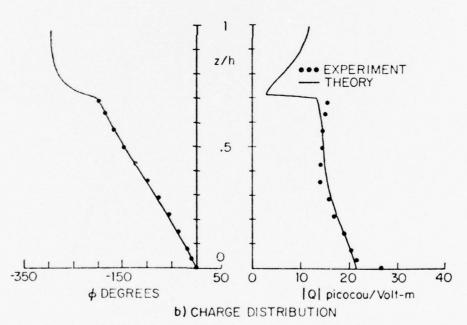
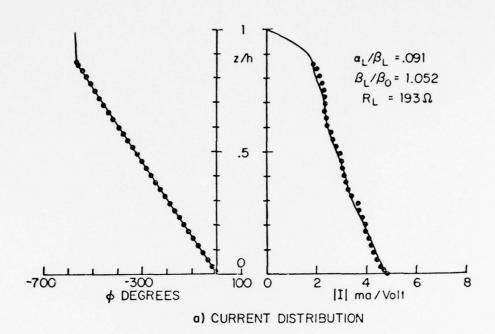


FIG. 3.81. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER FRESH WATER; ℓ_1/λ_0 =.5 AND d/ λ_0 =.01.



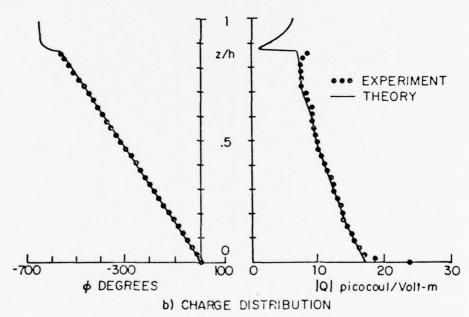
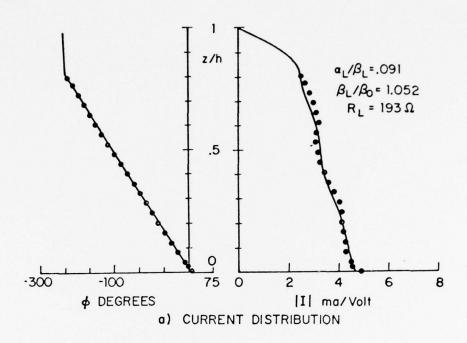


FIG. 3.82. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER FRESH WATER; ${1/\lambda_0}=1.5$ AND ${d/\lambda_0}=.02$.



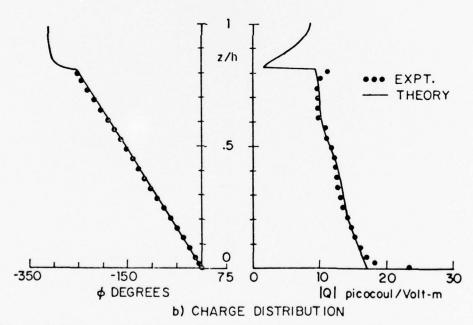
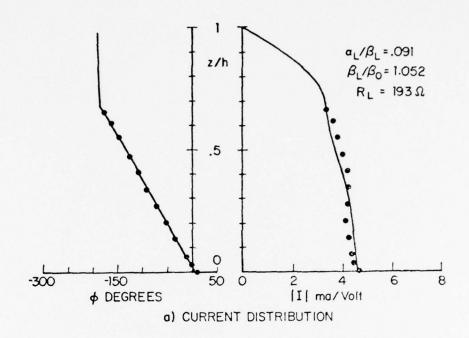


FIG. 3.83. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER FRESH WATER; l_1/λ_0 = 1 AND d/ λ_0 =.02.



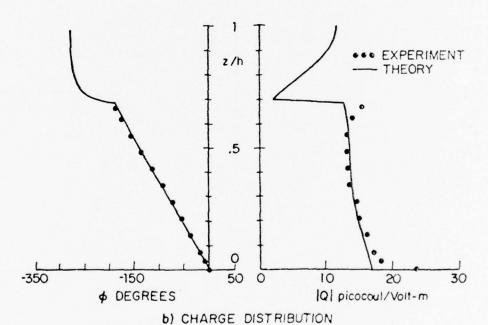
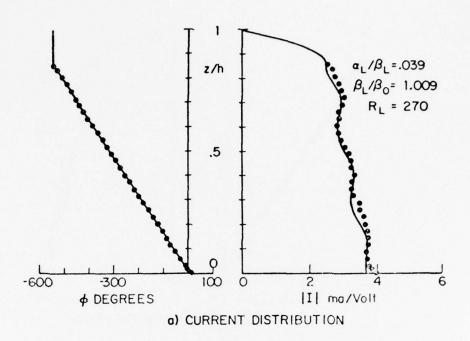


FIG. 3.84. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER FRESH WATER; ℓ_1/λ_0 =.5 AND d/λ_0 =.02.



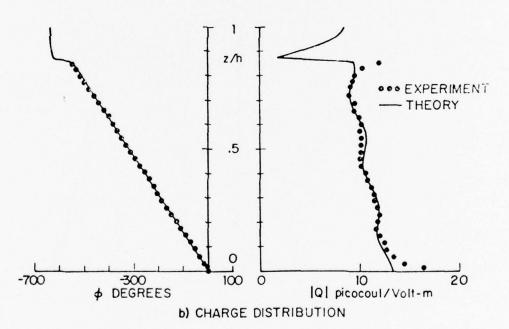
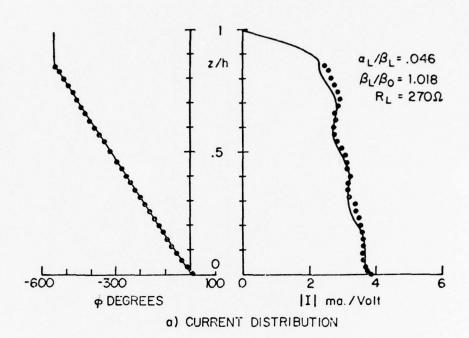


FIG. 3.85. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER FRESH WATER USING THEORETICAL WAVENUMBER; ℓ_1/λ_0 =1.5 AND d/ λ_0 =.05.



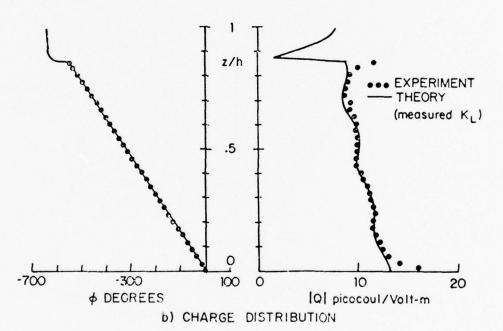
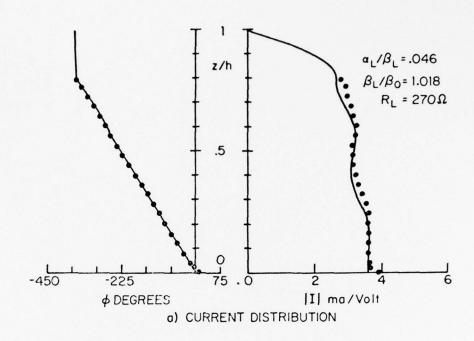


FIG. 3.86. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER FRESH WATER USING MEASURED WAVENUMBER; ${}_1/\lambda_0$ =1.5 AND d/ λ_0 =.05.



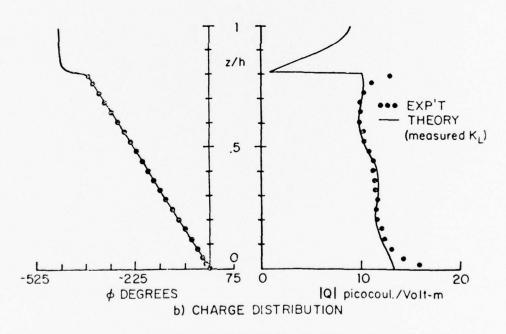
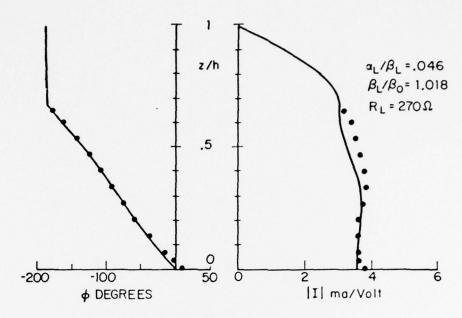


FIG. 3.87. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER FRESH WATER USING MEASURED WAVENUMBER; ℓ_1/λ_0 = 1 AND d/ λ_0 =.05.



a) CURRENT DISTRIBUTION

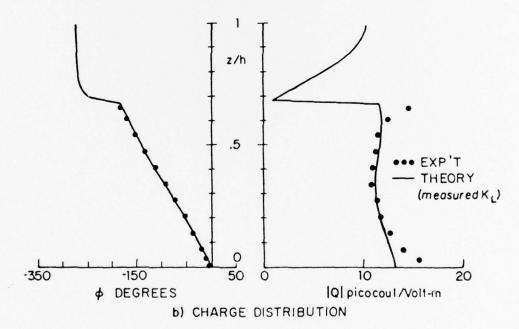
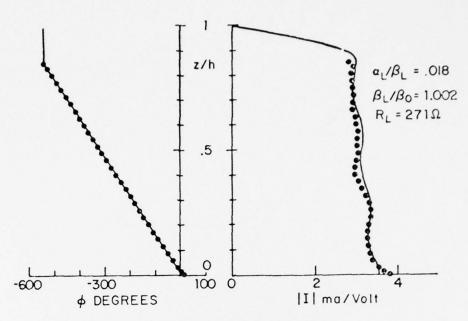


FIG. 3.88 CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER FRESH WATER USING MEASURED WAVENUMBER; \$1/\lambda_0=.5 AND d/\lambda =.05



a) CURRENT DISTRIBUTION

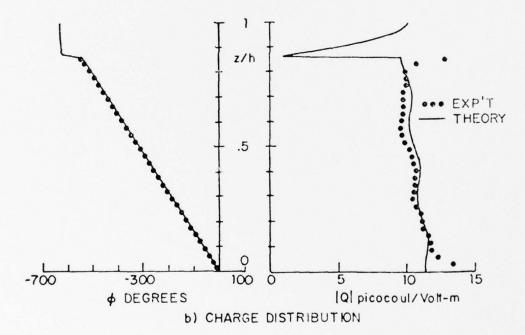
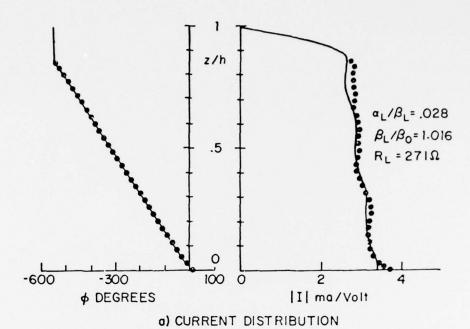


FIG. 3.89. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER FRESH WATER USING THEORETICAL WAVENUMBER $1/\lambda_0$ = 1.5 AND d $/\lambda_0$ = .1.



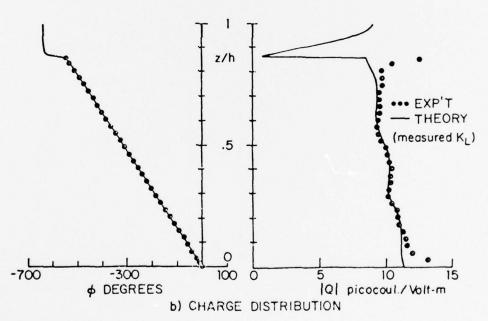
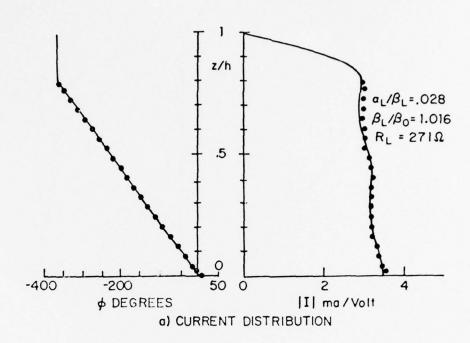


FIG. 3.90. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER FRESH WATER USING MEASURED WAVENUMBER; ℓ_1/λ_0 = 1.5 AND d/ λ_0 = 1.



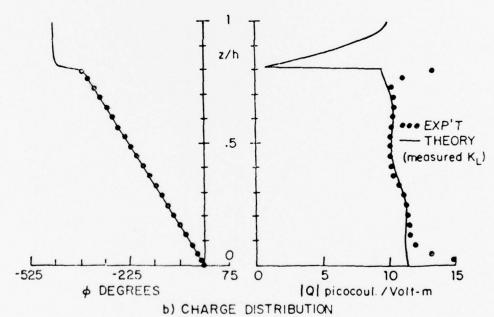
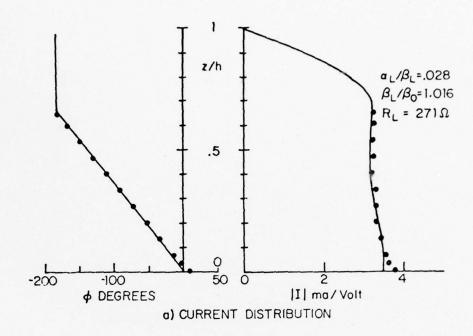


FIG. 3.91. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER FRESH WATER USING MEASURED WAVENUMBER; $\{1/\lambda_0=1\}$ AND $d/\lambda_0=1$.



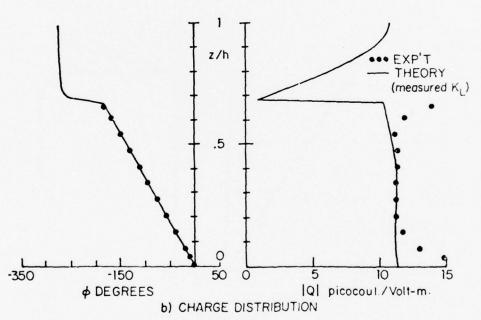


FIG. 3.92. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER FRESH WATER USING MEASURED WAVENUMBER; $\{1/\lambda_0 = .5 \text{ AND } d/\lambda_0 = .\}$.

The measurements for d/λ_0 = .25 are presented in Figs. 3.93 through 3.95. The agreement with the semi-empirical solution is fairly good considering the apparent departure from the transmission-line-like distribution at this height.

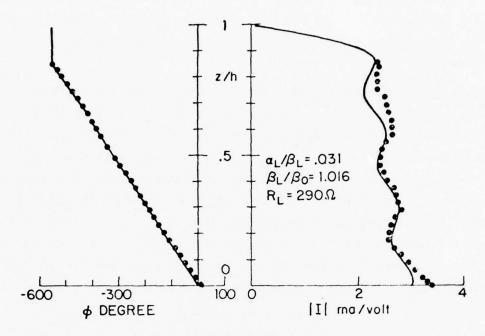
The measured input admittance for modified Beverage antennas over fresh water is presented in Figs. 3.96 through 3.100. Figures 3.96 and 3.97 compare the measured admittance with the expression in (1.55) using the theoretical wave number in (1.7) for k_L . The theoretical curves in Figs. 3.98, 3.99 and 3.100 consist of (1.55) with the measured effective wave number used for k_L . The agreement is good for a zeroth-order theory in all cases except for some noticeable departure for d/λ_0 = .25. The chart below lists the load resistor used for each height and compares each with half the value of the corresponding characteristic impedance predicted by King and calculated from the measured wave number using (1.8).

d/λ ₀	R _L used	(1/2)Z _c King	from $(1/2)Z_{c}$ measured k_{L}
.01	162 Ω	177 - j26 Ω	
.02	193 Ω	207 - j20 Ω	
.05	270 Ω	254 - j10 Ω	256 - j12 Ω
.1	271 Ω	294 - j5 Ω	298 - j8 Ω
•25	290 Ω	348 - j2 Ω	354 - j11 Ω

Salt-Water Measurements

The conclusions to be drawn from the measurements made on antennas over salt water, presented in Figs. 3.101 through 3.122, are analogous to those for the fresh-water case. At d/λ_0 = .01 and .02 the measurements agree very well with the complete theoretical expressions. For the other three heights the measured effective wave number is used for k_L in (1.54) and (1.56) and compared with the experimental results. Comparisons using the complete theoretical expressions for d/λ_0 = .05 and .1 are shown in Figs. 3.107 and 3.111. A good match can be obtained at d/λ_0 = .25 but the overall agreement with the semi-empirical solution is not as good as for the closer spacings.

The admittances are given in Figs. 3.118 through 3.122. Figures 3.118 and 3.119 compare the measured admittances with (1.55) using the theoretical



a) CURRENT DISTRIBUTION

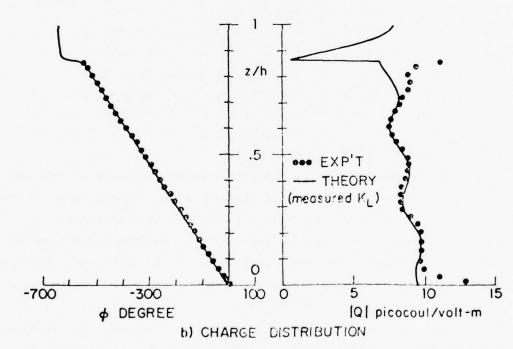
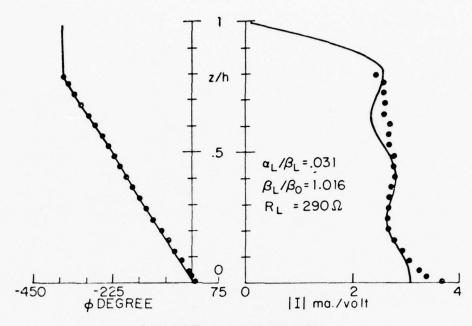


FIG. 3.93. CURRENT AND CHARGE ON MODIFIED BEVERAGE ANTENNA OVER FRESH WATER USING MEASURED WAVENUMBER; $\ell_1/\lambda_0 = 1.5$ AND $d/\lambda_0 = .25$.



a) CURRENT DISTRIBUTION

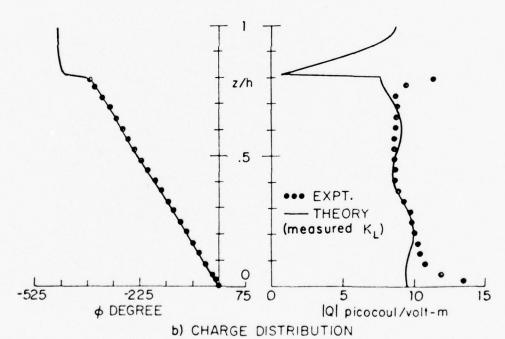
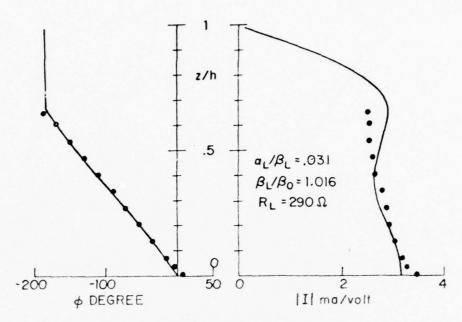


FIG. 3.94. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER FRESH WATER USING MEASURED WAVENUMBER; $\ell/\lambda_0=1$ AND $d/\lambda_0=.25$.



a) CURRENT DISTRIBUTION

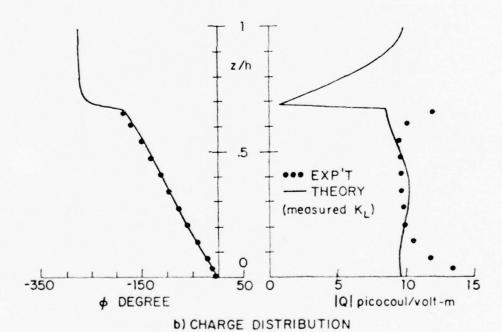
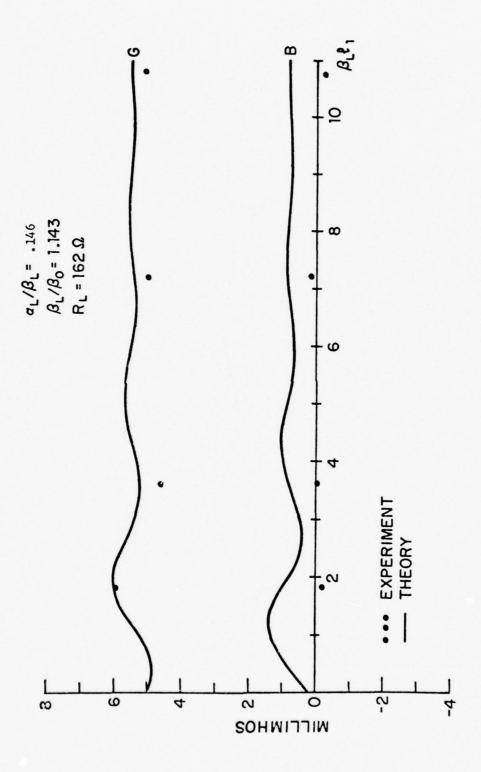
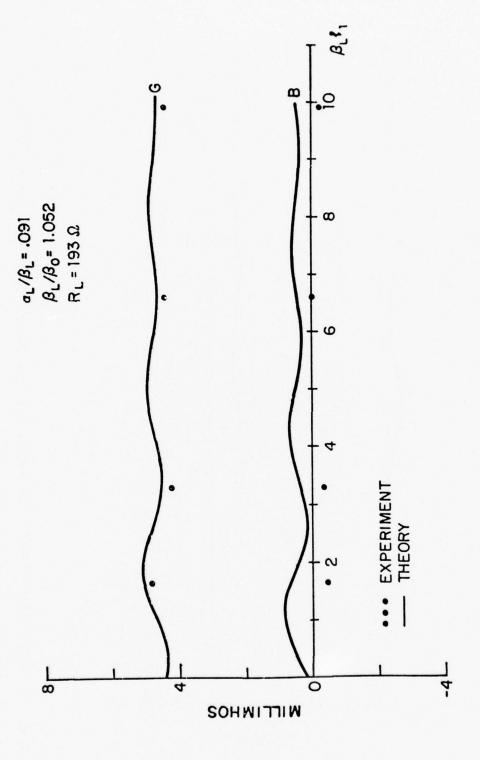


FIG. 3.95. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER FRESH WATER USING MEASURED WAVENUMBER; \$1/\lambda_0=.25.



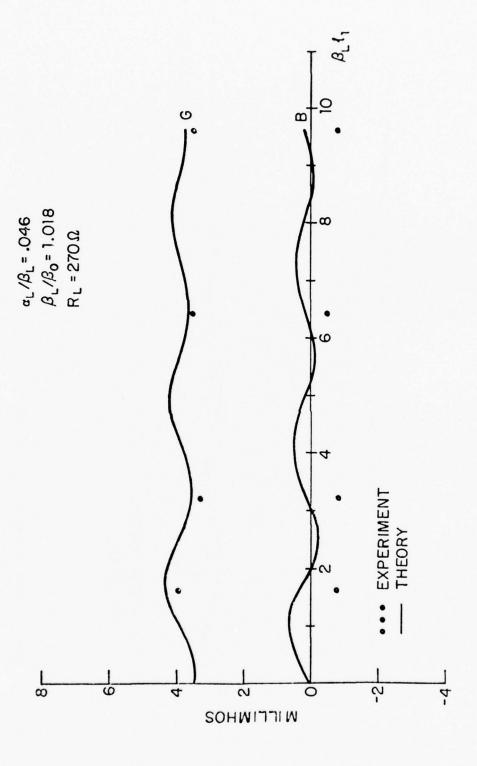
INPUT ADMITTANCE OF MODIFIED BEVERAGE ANTENNA OVER FRESH WATER; d/λ_0 = .01 AND a/λ_0 = .0015.

FIG. 3.96.



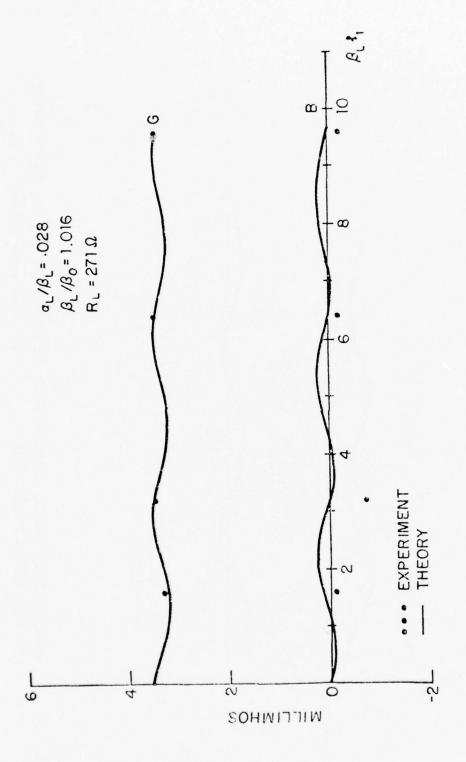
INPUT ADMITTANCE OF MODIFIED BEVERAGE ANTENNA OVER FRESH WATER; d/λ_0 = .02 AND a/λ_0 = .0015.

FIG. 3.97.



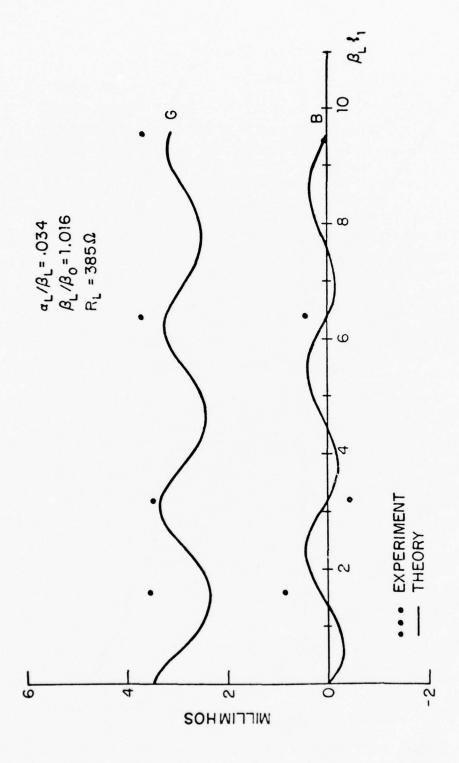
INPUT ADMITTANCE OF MODIFIED BEVERAGE ANTENNA OVER FRESH WATER USING MEASURED $K_L;~d/\lambda_o$ =.05 and d/λ_o =.0015

FIG. 3.98.

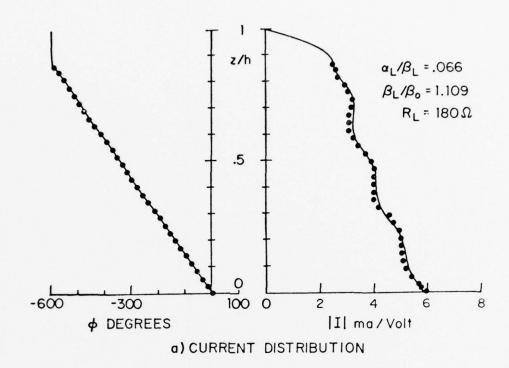


INPUT ADMITTANCE OF MODIFIED BEVERAGE ANTENNA OVER FRESH WATER USING MEASURED $K_L;\ d/\lambda_c$ =.1 AND a/λ_o =.0015

FIG. 3.99.



INPUT ADMITTANCE OF MODIFIED BEVERAGE ANTENNA OVER FRESH WATER USING MEASURED KL; d/lo=.25 and a/lo=.0015 FIG. 3.100.



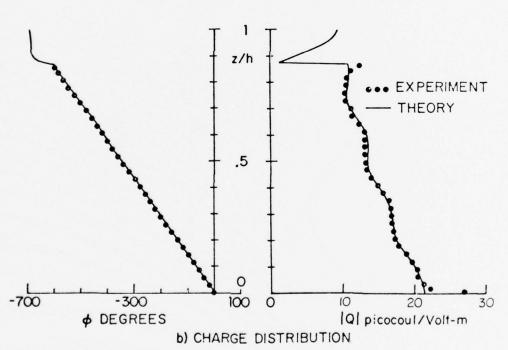
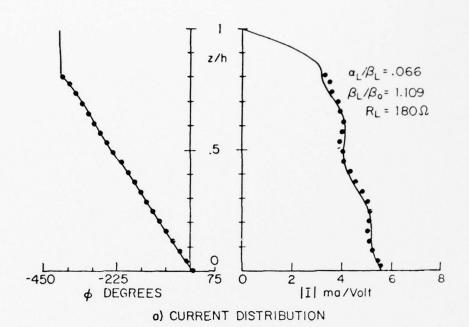


FIG. 3.101. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER SALT WATER; ξ_1/λ_0 = 1.5 AND d/λ_0 = .01.



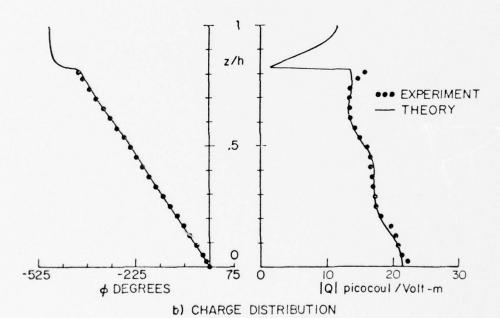
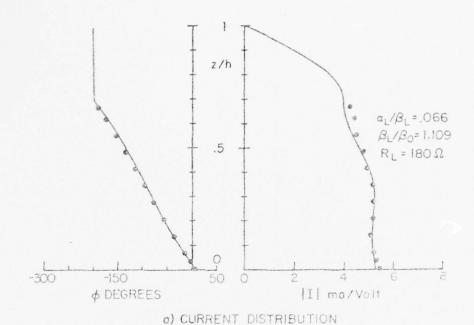


FIG. 3.102. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER SALT WATER; ${}_{1}/{}_{\lambda_{0}}=1$ AND ${}_{0}/{}_{\lambda_{0}}=0$.



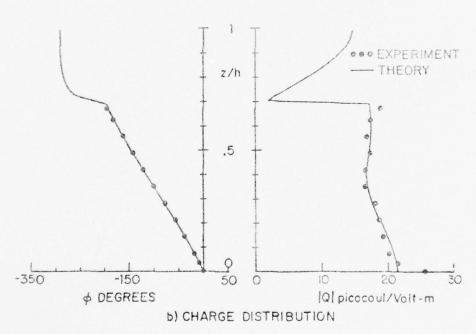
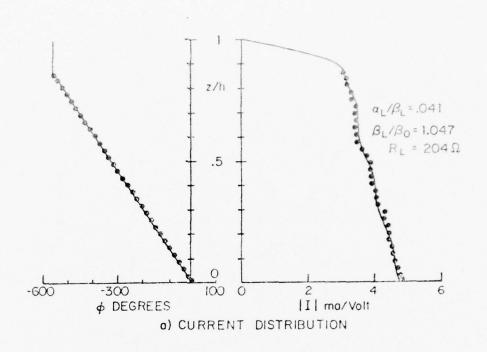


FIG. 3.103. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER SALT WATER; ${}^{1}/{}^{1}/{}^{0}$ = .5 AND d/ ${}^{1}/{}^{0}$ = .01.



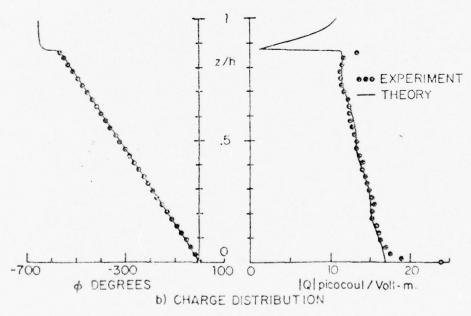
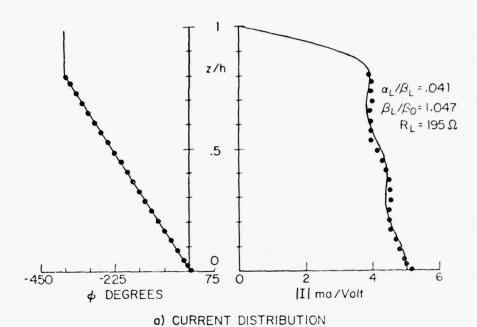
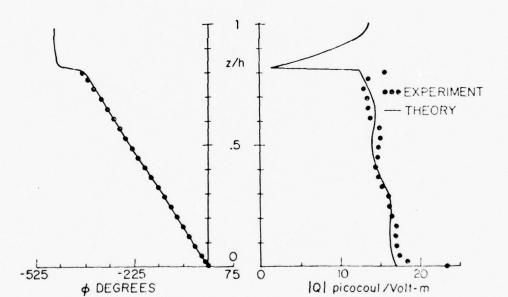


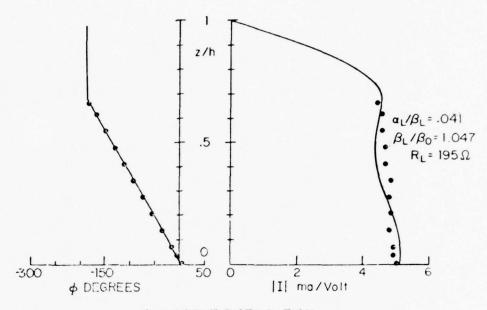
FIG. 3.104. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER SALT WATER; $\xi_1/\lambda_0 = 1.5$ AND $d/\lambda_0 = .02$.

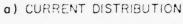




b) CHARGE DISTRIBUTION

FIG. 3.105. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER SALT WATER; $1/\lambda_0 = 1$ AND $d/\lambda_0 = .02$.





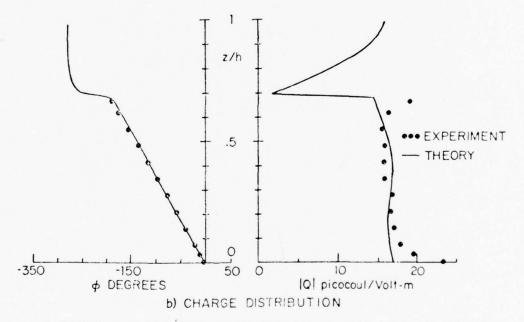
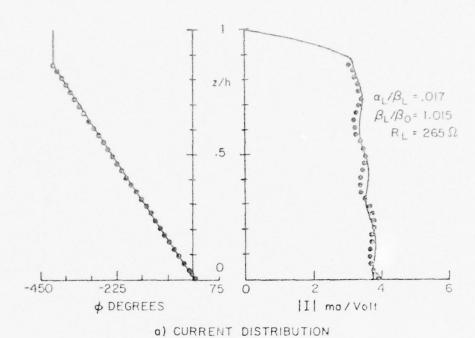


FIG. 3.106. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER SALT WATER; t_1/λ_0 =.5 AND d/λ_0 =.02.





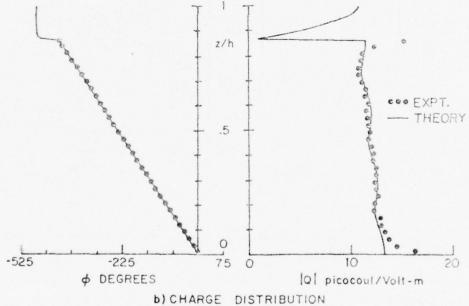
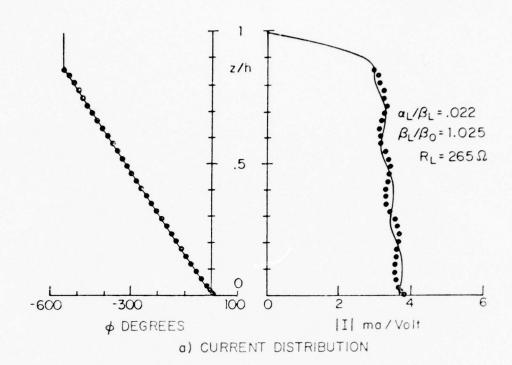


FIG. 3.107. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER SALT WATER USING THEORETICAL WAVENUMBER; $\langle 1/\lambda_0 | z \rangle$ AND $d/\lambda_0 = 0.05$.



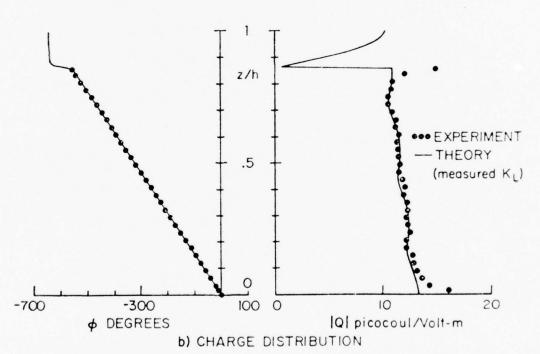
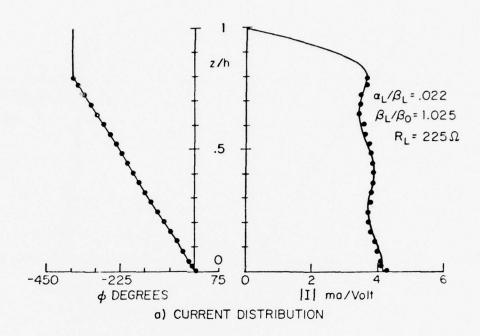


FIG. 3.108. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER SALT WATER USING MEASURED WAVENUMBER; {1/\lambda_0=1.5 AND d/\lambda_0=.05.



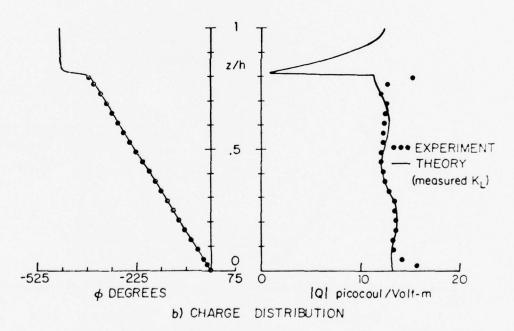
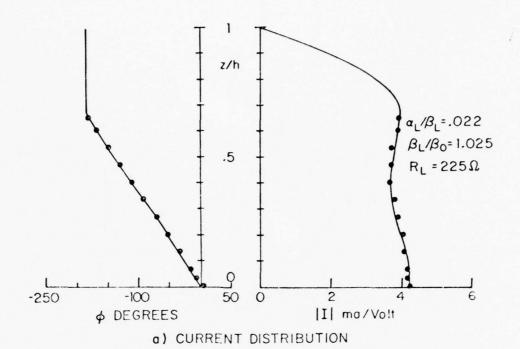


FIG. 3.109. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER SALT WATER USING MEASURED WAVENUMBER; $\ell_1/\lambda_0=1$ AND $d/\lambda_0=.05$.



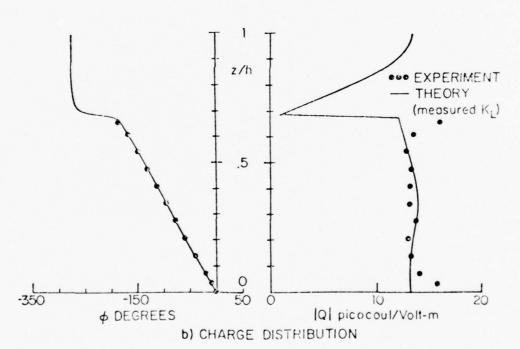
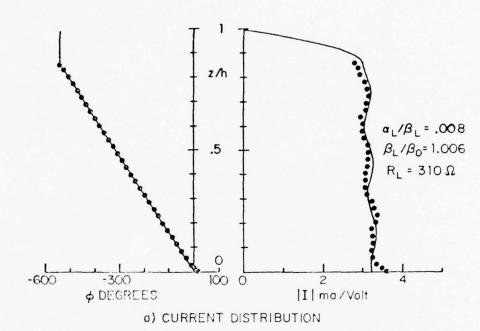


FIG. 3.110. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER SALT WATER USING MEASURED WAVENUMBER; ℓ_1/λ_0 =.5 AND d/ λ_0 =.05.



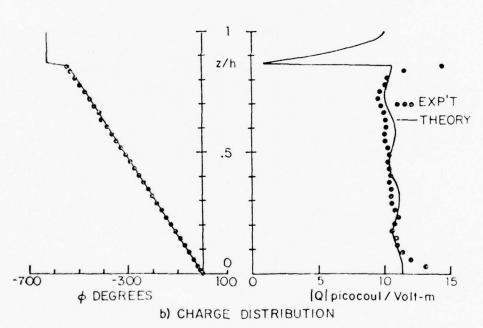
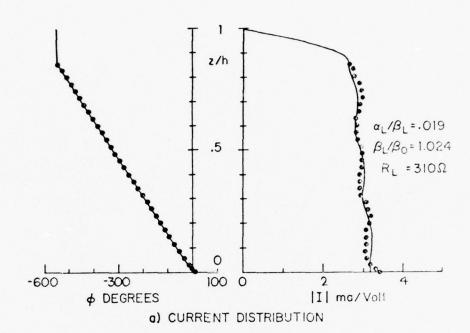


FIG. 3.111. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER SALT WATER USING THEORETICAL WAVENUMBER; $1/\lambda_0 = 1.5$ AND $d/\lambda_0 = .1$.



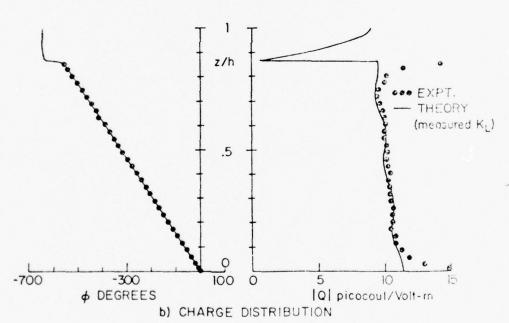
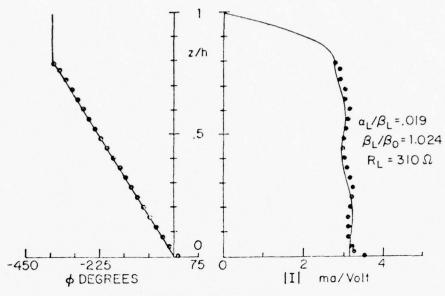
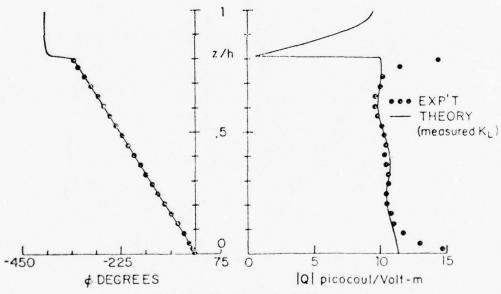


FIG. 3.112. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER SALT WATER USING MEASURED WAVENUMBER; $\ell_1/\lambda_0 = 1.5$ AND $d/\lambda_0 = .1$.

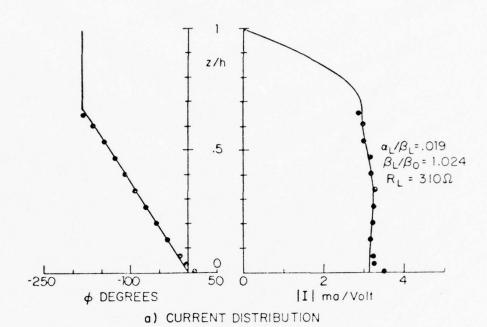


a) CURRENT DISTRIBUTION



b) CHARGE DISTRIBUTION

FIG. 3.113. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER SALT WATER USING MEASURED WAVENUMBER; \$\ell_1/\lambda_0 = 1 \text{ AND } d/\lambda_0 = 1.



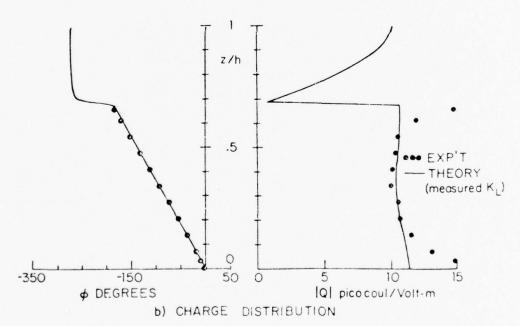
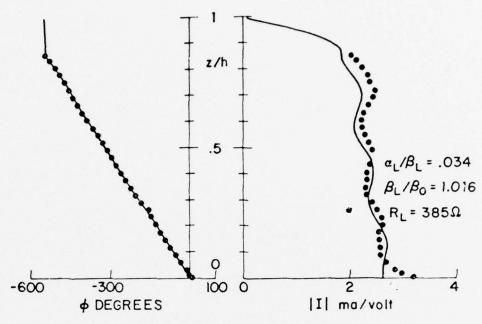


FIG. 3.114. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER SALT WATER USING MEASURED WAVENUMBER; ℓ_1/λ_0 =.5 AND d/λ_0 =.1.



a) CURRENT DISTRIBUTION

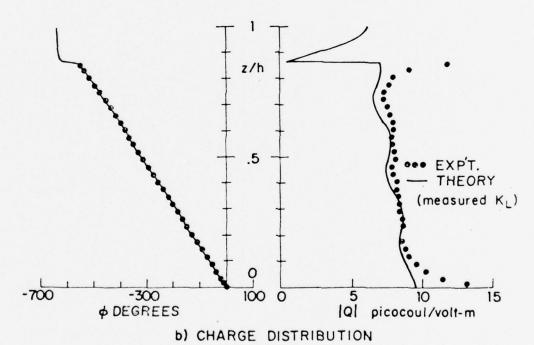
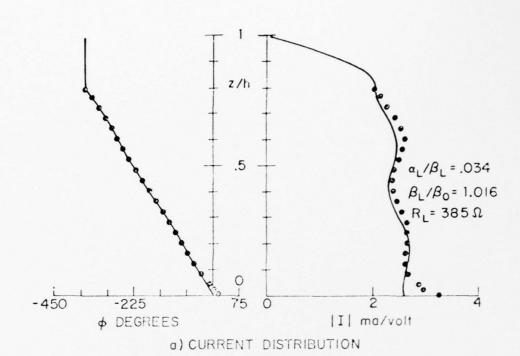


FIG. 3.115. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER SALT WATER USING MEASURED WAVENUMBER; $I_1/\lambda_0 = 1.5$ AND $d/\lambda_0 = .25$.



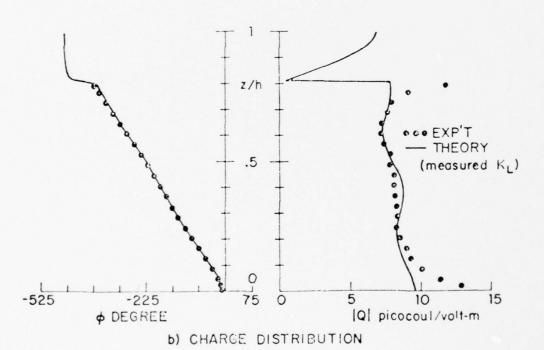
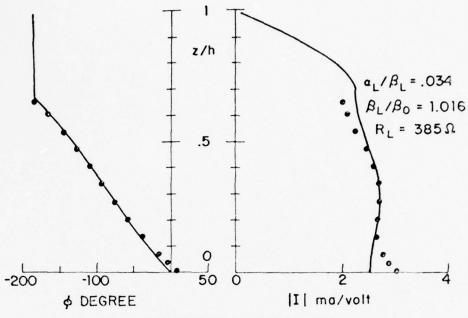


FIG. 3.116. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER SALT WATER USING MEASURED WAVENUMBER; $\frac{1}{1}/\lambda_0 = 1$ AND $\frac{1}{2}$.25.



a) CURRENT DISTRIBUTION

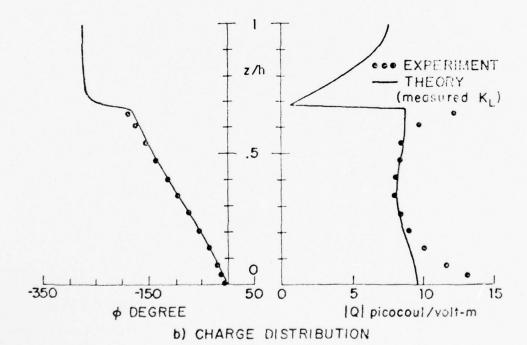
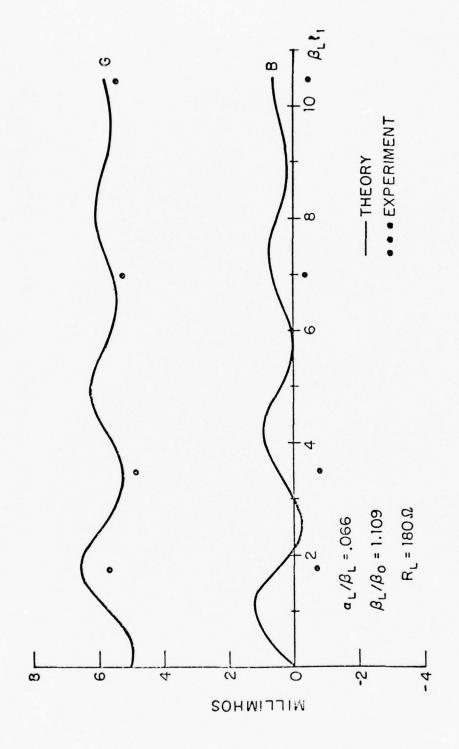
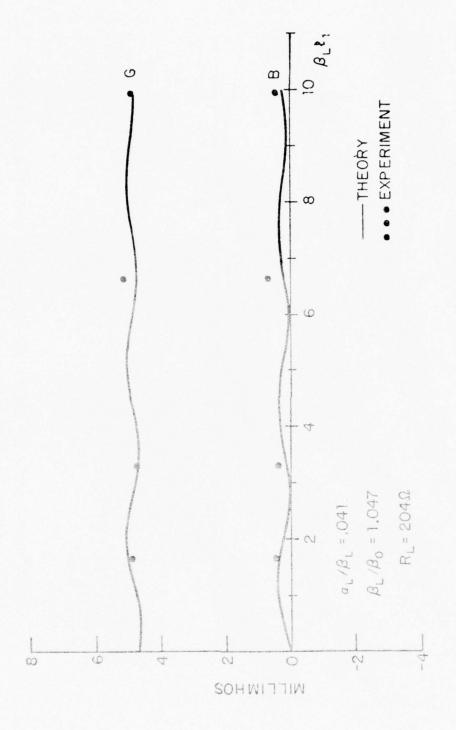


FIG. 3.117. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER SALT WATER USING MEASURED WAVENUMBER; ℓ_1/λ_0 = .5 AND d/λ_0 =.25

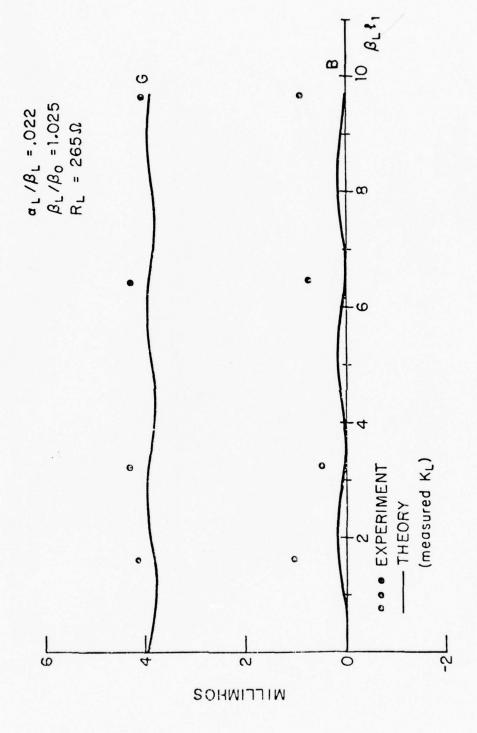


INPUT ADMITTANCE OF MODIFIED BEVERAGE ANTENNA OVER SALT WATER; $d/\lambda_0 = .01$ AND $a/\lambda_0 = .0015$. FIG. 3.118.

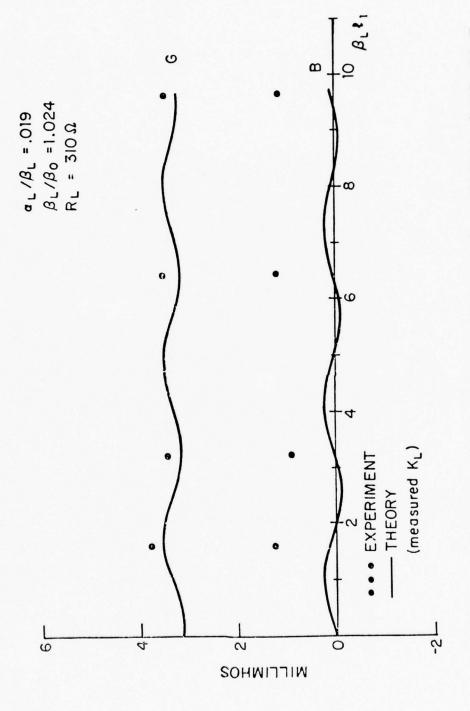


INPUT ADMITTANCE OF MODIFIED BEVERAGE ANTENNA OVER SALT WATER; d/\lambda_0 = .02 and \quad \lambda_0 = .0015.

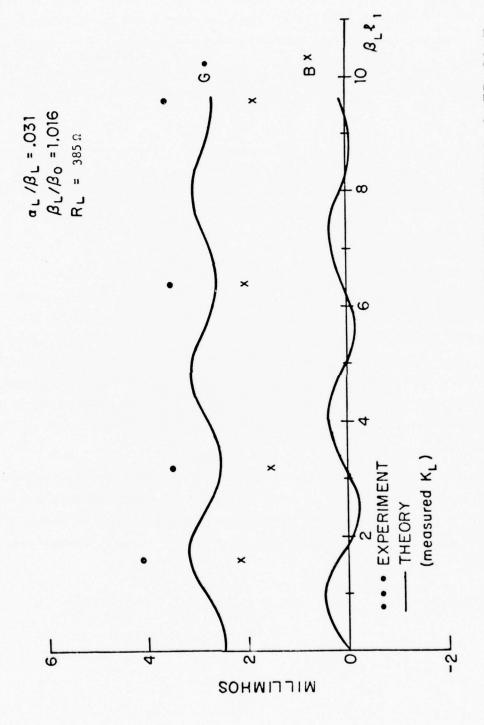
FIG. 3,119.



INPUT ADMITTANCE OF MODIFIED BEVERAGE ANTENNA OVER SALT WATER USING MEASURED K_L ; d/λ_0 =.05 and d/λ_0 =.0015. FIG. 3.120.



INPUT ADMITTANCE OF MODIFIED BEVERAGE ANTENNA OVER SALT WATER USING MEASURED K_L ; $d/\lambda_0=.1$ AND $a/\lambda_0=.0015$. FIG. 3.121.



INPUT ADMITTANCE OF MODIFIED BEVERAGE ANTENNA OVER SALT WATER USING MEASURED K_L ; d/λ_o =.25 and d/λ_o =.0015. FIG. 3.122.

wave number. All other theoretical curves utilize the same expression but employ the measured effective wave number for k_L . Comparisons of the load resistors used with the calculated values appear in the chart below.

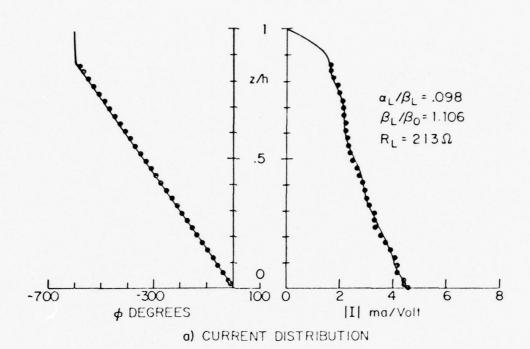
d/\u00e40	R _L used	(1/2)2 _c King	from $(1/2)Z_c$ measured k_L
.01	180 Ω	172 - j12 Ω	
.02	204 Ω	206 - j8 Ω	
.05	225 Ω	255 - j4 Ω	258 - j5 Ω
.1	310 Ω	295 - j2 Ω	300 - j6 Ω
.25	385 Ω	348 - j1 Ω	354 - j12 Ω

Moist-Earth Measurements

Due to the fact that condition (1.3b) is not strictly valid for the case of moist earth with ε_{r} = 11.5 and σ = .0022 mhos/m, only measured effective wave numbers were used throughout for k_{L} in (1.54) and (1.56). The current and charge distributions, displayed graphically in Figs. 3.123 through 3.134, reveal good agreement between the measured results and the curves based on the measured wave number. Even for the highest spacing, d/λ_{0} = .25, the agreement is quite good except for variations at the driving point and at the load resistor which are basically a manifestation of junction effects.

The admittance curves appear in Figs. 3.135 through 3.138. Agreement for the closest spacing, d/λ_0 = .02, is good for both conductance and susceptance curves. For the other three cases the conductance agreement is good with larger variations appearing in the susceptance. Resistor comparisons appear below.

d/λ_0 R_L used		$(1/2)Z_{c}$ King	from (1/2)Z measured	
.01	400 May 1	and the same	mm type exc	
.02	213 Ω	224 - j29 Ω	218 - j21 Ω	
.05	242 Ω	262 - j21 Ω	259 - j16 Ω	
.1	242 ₪	296 - j13 Ω	295 - j13 Ω	
.25	380 Ω	348 - j6 Ω	358 - j12 Ω	



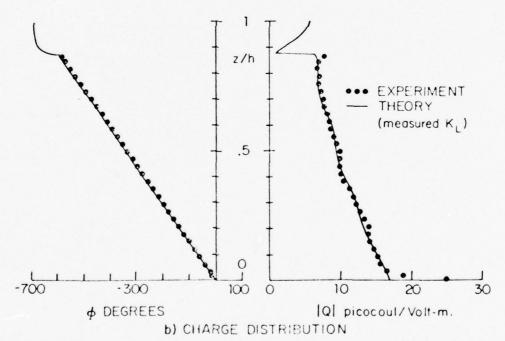
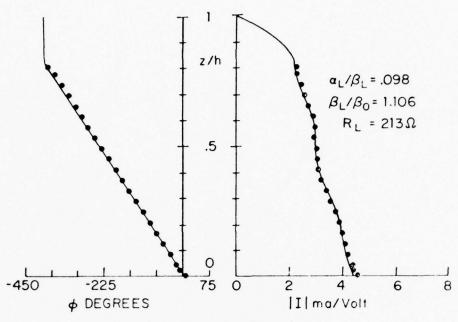


FIG. 3.123. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER MOIST EARTH USING MEASURED WAVENUMBER; ℓ_1/λ_0 = 1.5 AND d/λ_0 = .02.



a) CURRENT DISTRIBUTION

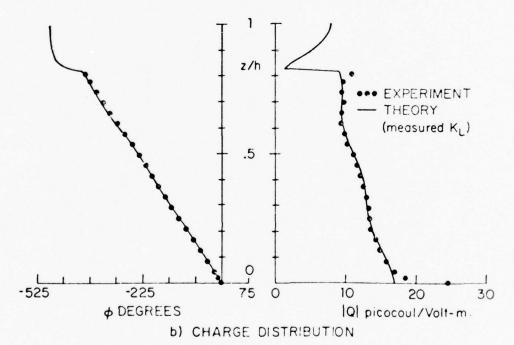
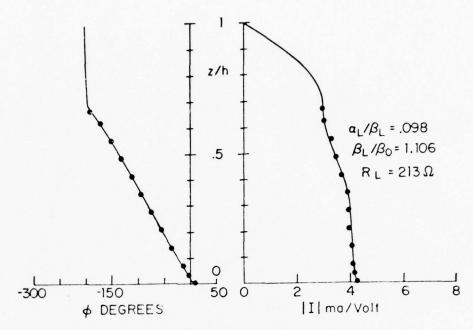


FIG. 3.124. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER MOIST EARTH USING MEASURED WAVENUMBER; $1/\lambda_0 = 1$ AND $d/\lambda_0 = .02$.



a) CURRENT DISTRIBUTION

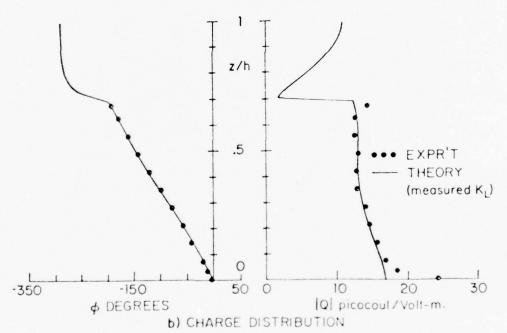
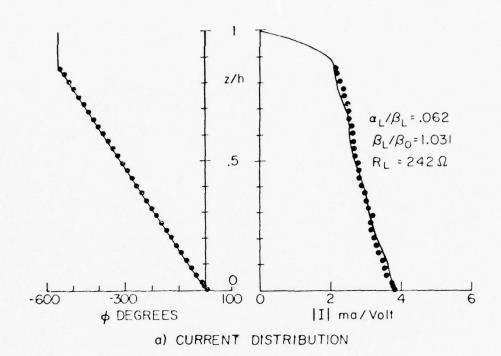


FIG. 3.125. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER MOIST EARTH USING MEASURED WAVENUMBER; ℓ_1/λ_0 = .5 AND d/ λ_0 = .02.



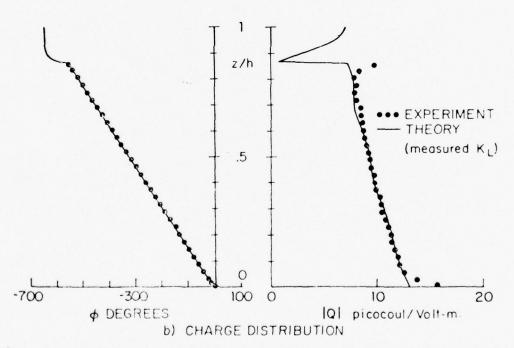
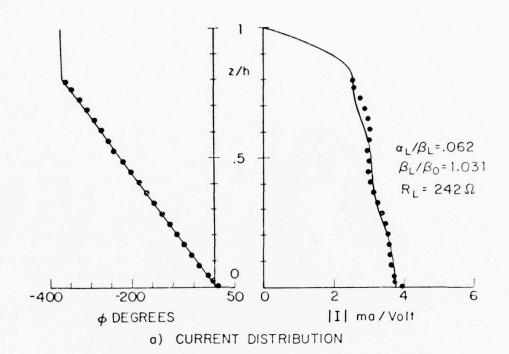


FIG. 3.126. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER MOIST EARTH USING MEASURED WAVENUMBER; t_1/λ_0 = 1.5 AND d/λ_0 = .05



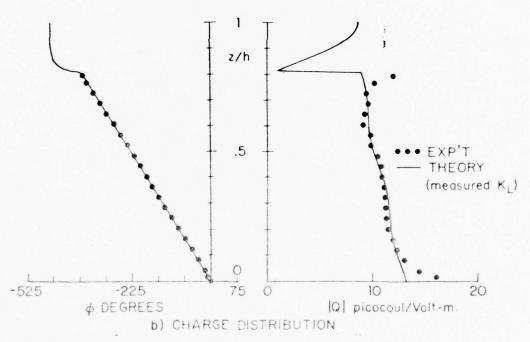
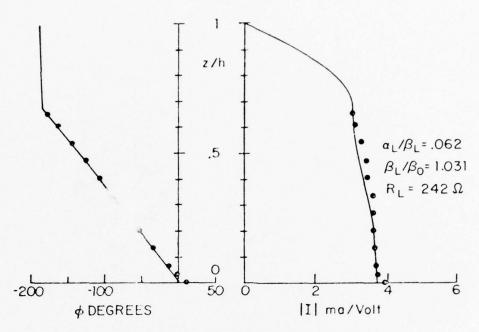
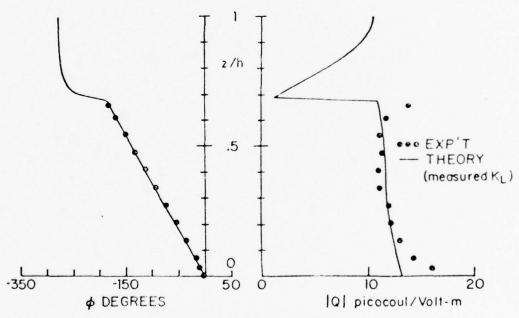


FIG. 3.127. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER MOIST EARTH USING MEASURED WAVENUMBER; ℓ_1/λ_0 = 1 AND d/ λ_0 = .05.

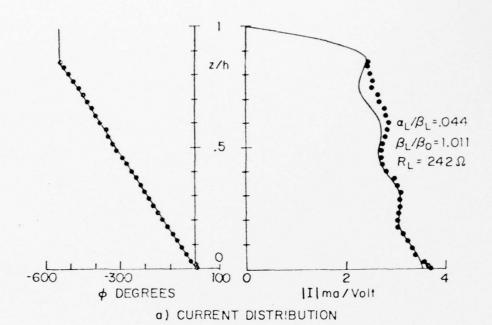


a) CURRENT DISTRIBUTION



b) CHARGE DISTRIBUTION

FIG. 3.128. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER MOIST EARTH USING MEASURED WAVENUMBER; ℓ_1/λ_0 = .5 AND d/λ_0 = .05.



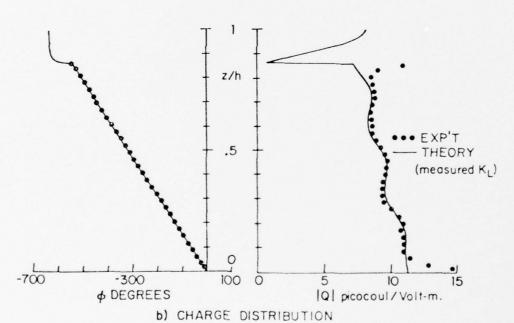
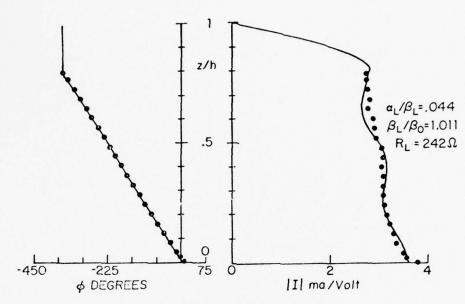
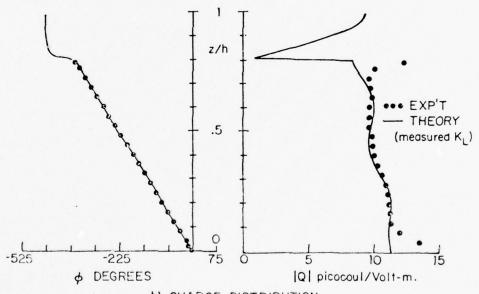


FIG. 3.129. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER MOIST EARTH USING MEASURED WAVENUMBER; t_1/λ_0 = 1.5 AND d/λ_0 = .1.

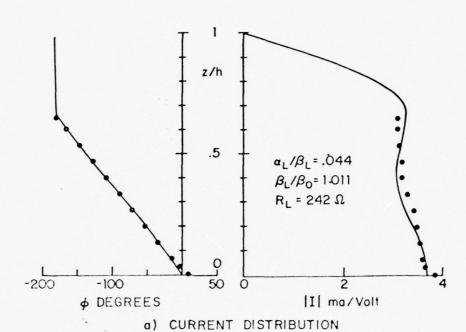


a) CURRENT DISTRIBUTION



b) CHARGE DISTRIBUTION

FIG. 3.130. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE WAVE ANTENNA OVER MOIST EARTH USING MEASURED WAVENUMBER; $\ell_1/\lambda_0=1$ AND $d/\lambda_0=.1$.



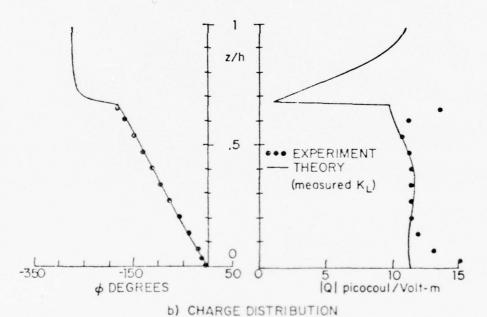
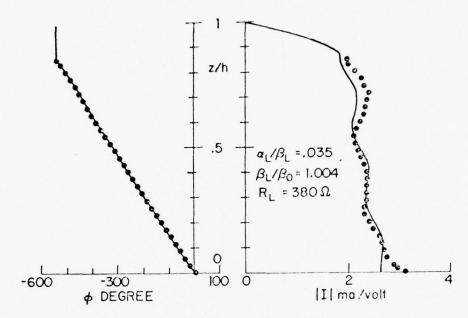
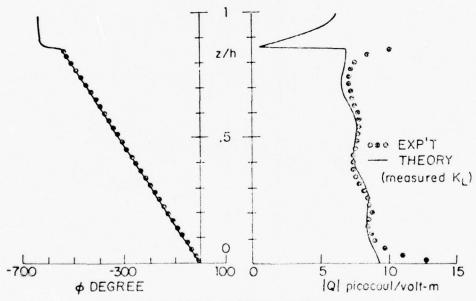


FIG. 3.131. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER MOIST EARTH USING MEASURED WAVENUMBER; ℓ_1/λ_0 = .5 AND d/λ_0 = .1.

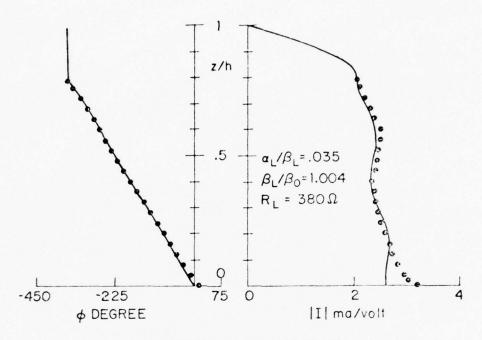


a) CURRENT DISTRIBUTION



b) CHARGE DISTRIBUTION

FIG. 3.132. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER MOIST EARTH USING MEASURED WAVENUMBER; $\ell_1/\lambda_0=1.5$ AND $d/\lambda_0=.29$.



a) CURRENT DISTRIBUTION

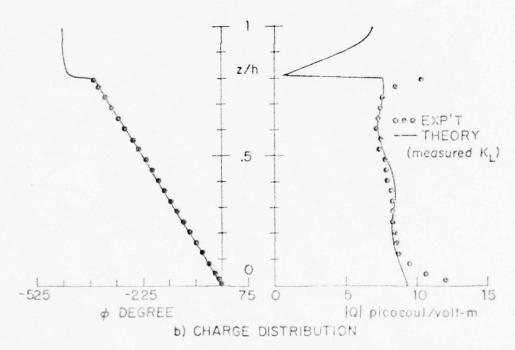
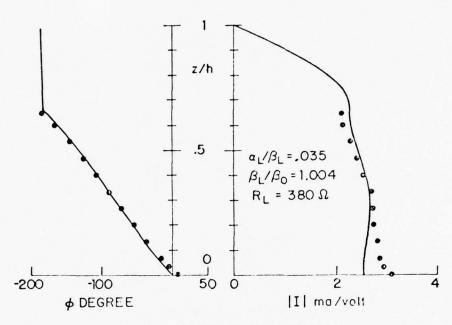


FIG. 3.133. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER MOIST EARTH USING MEASURED WAVENUMBER; ℓ_1/λ_0 = 1 AND d/λ_0 = .29.



c) CURRENT DISTRIBUTION

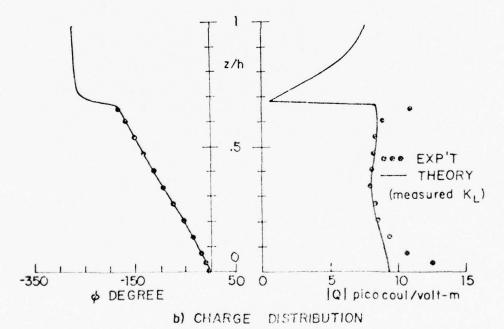
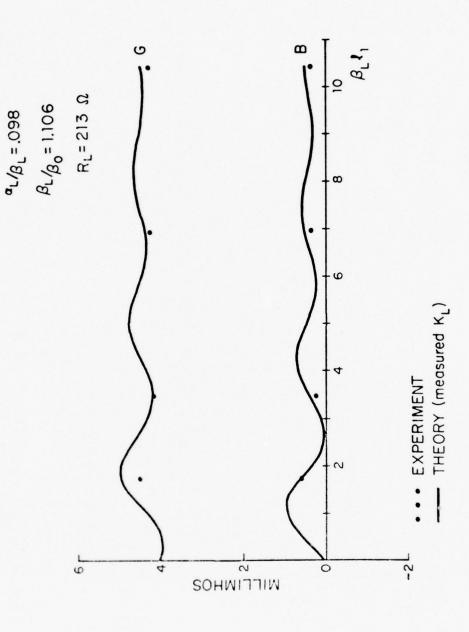
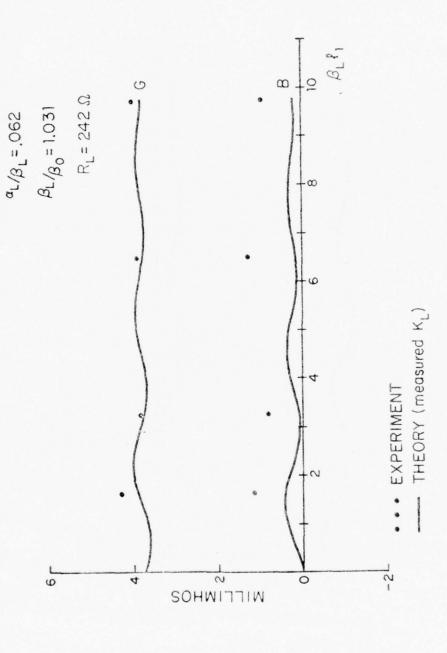


FIG. 3.134. CURRENT AND CHARGE DISTRIBUTION ON MODIFIED BEVERAGE ANTENNA OVER MOIST EARTH USING MEASURED WAVENUMBER; ℓ_1/λ_0 =.5 AND d/λ_0 =.29.

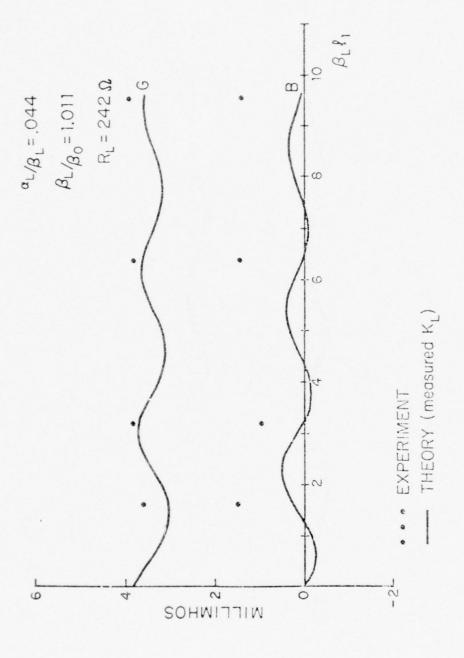


MOIST EARTH USING MEASURED KL, d/\o =.02 AND a/\o =.0015. INPUT ADMITTANCE OF MODIFIED BEVERAGE ANTENNA OVER

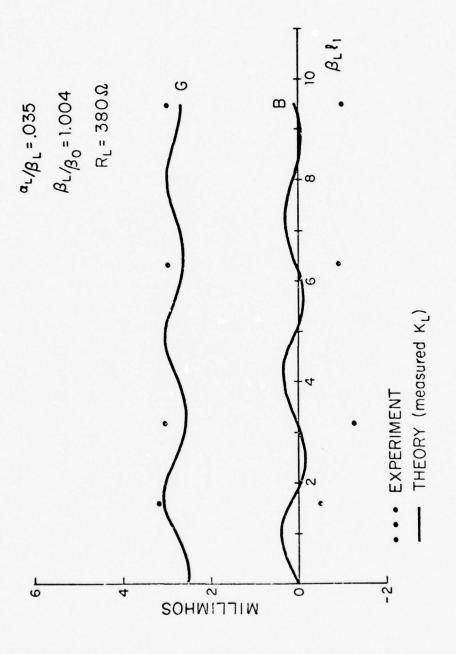
FIG. 3.135.



INPUT ADMITTANCE OF MODIFIED BEVERAGE ANTENNA OVER MOIST EARTH USING MEASURED κ_L , d/ λ_0 = .05 and g/ λ_0 = .0015 FIG. 3.136.



INPUT ADMITTANCE OF MODIFIED BEVERAGE ANTENNA OVER MOIST EARTH USING MEASURED K_L , d/λ_o =.1 AND a/λ_o =.0015. FIG. 3.137.



MOIST EARTH USING MEASURED KL, d/lo=.29 AND d/lo=.0015. INPUT ADMITTANCE OF MODIFIED BEVERAGE ANTENNA OVER FIG. 3.138.

3.5. End-Effect Correction

It was pointed out previously that the antenna end effect [6] is responsible for both the shift that appears in the experimental results when compared with the theoretical current and charge distribution curves and the discrepancies which occur between the theoretical and measured α_{τ} . The shift is most noticeable at heights of $d/\lambda_0 = .05$, .1, and .25, suggesting the range of heights at which the end effect becomes important. This is further confirmed when it is observed that it is within this range that the measured $\alpha_{_{\! I}}$ departs significantly from the theoretical values. Since antennas of the type being discussed behave like transmission lines, the endeffect phenomenon associated with transmission lines is also prevalent for this type of antenna. In transmission-line theory an ideal open circuit possesses an infinite impedance in the plane of the open circuit. In practical situations, however, an open connection such as the condition that would exist at the end of the antenna would not represent an ideal open circuit due to the fact that the capacitance per unit length near the end of the line would no longer be constant. To correct for this, a lumped capacitance $C_{\mathbf{r}}$ is evaluated which represents the effect of the terminal zone where both the wave number and capacitance per unit length become functions of the distance from the end of the line. The effect of the terminal-zone capacitance is to cause a large charge build-up at the end of the antenna, as can be easily seen from the previous curves, causing both the current and charge distributions to deviate from their sinusoidal behavior at the end of the line. It can be shown [4] that the effect of the terminal zone is to cause an increase in the effective length of the transmission line that is equivalent to C_T/C_0 where C_0 is the capacitance per unit length for the infinitely long line. This increase in effective length is the reason for the shift observed in the measured data when compared with the theoretical curves. The zeroth-order transmission-line theory is unable to account accurately for this end effect and the corresponding increase in effective length. The fact that all the energy which arrives at the end of the antenna may not be completely reflected will cause the discrepancies seen in the attenuation. This radiation loss off the end of the antenna introduces a resistance which is included with the end-correction capacitance \mathbf{C}_{T} in the terminal network that models the end effect.

To correct for the shift due to the end effect, it is possible to evaluate the apparent increase in length caused by the open-circuited end and to add this increase to the actual antenna length. Using this new length in either the complete theoretical formulation, Eqs. (1.6), (1.18), (1.54) and (1.56), or in the semi-empirical approach which utilizes the above equations with measured wave numbers, will correct for the deviation that occurs between the measured data and both analytic solutions. This increase in length can be obtained experimentally from the curves in Sections 3.3 and 3.4. Since the end effect should not be dependent on the antenna length, the h/λ_0 = 1 curve was used for all heights over all three media to determine this increase. This was done by measuring the difference between the null of the data and the null of the theory being compared. The following increases were measured:

d/λ_0	Fresh Water	Salt Water	Moist Earth
.01	0	0	0
.02	0	1.6 cm	0
.05	2 cm	2 cm	2 cm
.1	2.4 cm	2 cm	2.4 cm
.25	3.2 cm	2.8 cm	3.2 cm

For the lowest heights, where the attenuation is highest, no noticeable increase in length was observed from the curves. As the height of the wire is increased, there is a corresponding increase in the apparent length of the wire ranging up to approximately 3 cm. This additional length can be included to obtain a first-order correction for the end effect.

The complex reflection coefficient at the end of a dipole antenna placed above a dissipative half-space is an intricate theoretical problem which has yet to be solved. From this quantity the ρ_s and ϕ_s values which describe the end effect can be obtained. The ρ_s value is associated with the radiation loss from the end of the antenna.

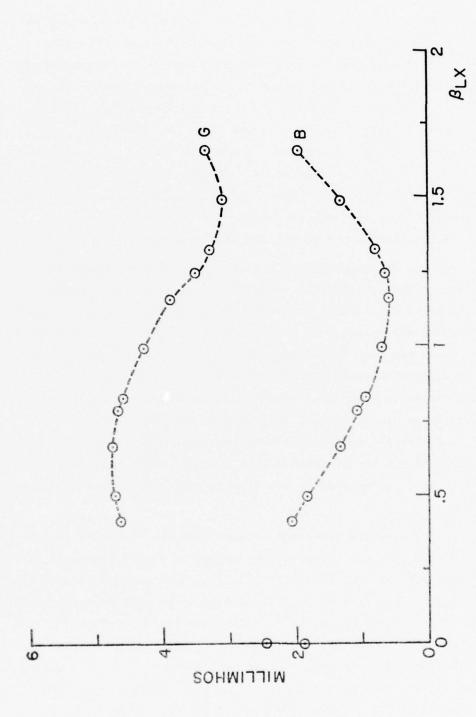
A more complete theory for the current and charge distributions is presented in Section 1.8 of Volume I. It includes contributions due to empirically determined end effects and uses the theoretical k_{τ} determined by King.

3.6. Broadband Characteristics of the Modified Beverage Antenna

One of the more desirable properties of the conventional Beverage antenna is its proposed frequency-independent characteristics. A careful study, however, shows that there has never been a definitive investigation into the frequency response of the conventional Beverage antenna. It has been assumed that when the antenna is in the traveling-wave mode, its frequency-independent nature is evident. It was shown previously that the characteristic impedance of the wire is dependent on the d/λ_0 value which depends in turn on the operating frequency. Changes in the frequency may cause varying degrees of mismatch. The original Beverage antenna work also left unanswered what the frequency response would be of the counterpoise system and the vertical elements at the end of the antenna.

For the modified Beverage antenna the necessity of the quarter-wave terminating section appears to limit seriously its anticipated broadband behavior. It can be shown, however, that despite the use of the quarter-wave section a broadband response can be obtained over a wide range of parameters. Altshuler [2] has shown that for a similar type of traveling-wave antenna in free space, excellent frequency response can be obtained over a 2-to-1 range with additional adequate coverage occurring over a 3-to-1 range. Considering the similarity in configuration, frequency responses at least as good can be anticipated for the modified Beverage antenna. The presence of significant attenuation due to interaction with the half-space will make the Beverage antenna less susceptable at the driving point to changes at the end of the antenna.

Two sets of measurements were made to determine the broadband properties of the modified Beverage antenna. The series of curves presented in the previous sections (Figs. 3.96 - 3.100, 3.118 - 3.122, and 3.135 - 3.138) show that the match for a particular frequency is quite good over all ranges of the length ℓ_1 . A second set of measurements was taken in which the length ℓ_1 was kept constant while the length ℓ_2 of the quarter-wave section was varied. The frequency was kept constant at 300 MHz. The input admittance for this situation is presented as a function of the length of the terminating section in Fig. 3.139. The input admittance remains fairly constant over at least a 3-to-1 range, confirming the broadband nature of this antenna. With the expanded ordinate scale in Fig. 3.139 it can be seen that



INPUT ADMITTANCE OF BEVERAGE ANTENNA FOR VARIOUS LENGTHS OF TERMINATING SECTION; $^{J_1/\lambda_0}$ =1, $^{J_1/\lambda_0}$ FIG. 3,139.

the maximum variation in conductance or susceptance is approximately 1.5 millimhos.

3.7. Conclusions

The data presented in Figs. 3.2 through 3.138 lead to numerous conclusions concerning the properties of both dipole antennas in the presence of a dissipative medium and Beverage wave antennas. The conclusions derived from this experimental analysis are as follows:

This case applies to the measurements made over both fresh and salt water at 300 MHz with $\varepsilon_{\rm r} \approx 81$. The dense-medium condition, Eq. (1.3b), was one of the restrictions originally imposed in the development of the expression for the wave number on a horizontal wire above a dissipative half-space. For horizontal wires including Beverage antennas placed above this type of medium, the following can be concluded:

- 1) For $d/\lambda_0 \le .02$, the theoretical development of King, described in Section 1.2 of Volume I, correctly represents the current and charge distributions and provides a good zeroth-order approximation for the input admittance on a center-driven dipole antenna. The extension of this theory to loaded antennas, given in Section 1.6, which includes the special case of the Beverage wave antenna, also gives correct results for the current, charge and input admittance. The agreement in this range of heights is mainly a result of the fact that the theoretical wave number given by (1.7) agrees quite favorably with the experimentally determined wave numbers.
- 2) In the range .02 < $d/\lambda_0 \le .1$, the comparisons between the measured effective and the theoretically predicted wave numbers begin to show the existence of significant deviations. For these heights, variations of 20% or greater begin to occur, especially for the attenuation constant α_L of the antenna. This departure may be due to one of the following factors. Initially it was thought that the transmission-line behavior may no longer be valid for $d/\lambda_0 \ge .02$. This would probably be due to a significant amount of radiation being neglected by the assumption that the radiation into the air is quite small in comparison with the radiation into the half-space. The second possibility, and the more probable one, is that a more refined theory is needed which accounts for the nonideal end effect of the antenna. This

would assume that the theoretical k_L is the correct one and that the discrepancies observed in the wave numbers were due to the absence of an end-correction factor. End effects are dealt with in more detail in Section 1.8 of Volume I. Despite these facts, the measurements have shown that the expressions for the current, charge and admittance [Eqs. (1.6), (1.16), (1.18), (1.54), (1.55), and (1.56)] still hold if the effective wave number is used. Using these equations with the measured effective wave number substituted for k_L gives good agreement with the measured data. The only noticeable departure from this occurs in the admittance where agreement at the first resonance is somewhat in error. Since the theory consists of only a zeroth-order expression, higher-order correction terms due to junction and end effects would be necessary to improve the agreement. Hence, over this range of heights the approximate solution which utilizes the zeroth-order expressions for the current, charge and admittance along with the measured effective wave number gives good results.

3) At d/λ_0 = .25 measurements show a perceptible departure from the zeroth-order form for all three quantities along with significant deviations in the wave number. It is important to note that in the range .1 < d/λ_0 < .25, no measurements were taken and, therefore, it has not been determined exactly where in this range the current, charge and admittance change from a basically transmission-line form to one more characteristic of an antenna in free space. It has been shown that at d/λ_0 = .25 the transmission-line form with the measured wave number gives adequate agreement for the current and charge distributions, although it is evident that the measurements are not exactly sinusoidal. It may still be possible that with a large enough end correction one may obtain an adequate approximation at this height. Larger discrepancies appear, however, for the input admittance which is quite sensitive to the exact form of the current distribution. For the Beverage antenna the comparisons at this height tend to provide much better results.

Hence, for antennas placed above dense media for which the condition $|\mathbf{k}_2| >> |\mathbf{k}_1|$ holds, complete theoretical formulations are available for $\mathrm{d}/\lambda_0 \leq .02$. For heights ranging from $\mathrm{d}/\lambda_0 > .02$ up to at least $\mathrm{d}/\lambda_0 = .1$ and probably higher, the transmission-line characteristics of the wire are still predominant, yet use of measured effective wave numbers for \mathbf{k}_L is necessary. If moderate errors can be tolerated, the transmission-line form can be used for the current and charge distributions up to $\mathrm{d}/\lambda_0 = .25$.

Discrepancies in the admittance preclude using a simple zeroth-order theory which does not include an end-correction term.

Moderately Dense Media $|k_2| > |k_1|$

This case refers to the measurements that were made over moist earth at 300 MHz where the relative dielectric constant was measured to be $\varepsilon_{\rm r}$ = 11.4 and the conductivity was quite small. This is an interesting case since earth is a more common environment for antennas of this type. These measurements also give an indication as to how restrictive condition (1.3b) actually is. The measurements show that for horizontal-wire antennas as well as Beverage antennas placed above moist earth, the following can be concluded:

- 1) For the closest spacing measured, d/λ_0 = .02, a large discrepancy was observed between the theoretical wave number given by (1.7) and the measured one. A significant error was observed in the attenuation constant in that the predicted α_L value was 50% greater than the measured effective α_L value. Despite this fact, the transmission-line-like behavior for the current, charge and input admittance is clearly evident and the comparison with the semi-empirical solutions bears this out. Since measurements made at this height agreed quite well with theory for the dense media case, $|\mathbf{k}_2|$ >> $|\mathbf{k}_1|$, it would appear that condition (1.3b) must be strictly adhered to for King's theory to be valid.
- 2) Over the range $.02 < d/\lambda_0 \le .1$, the zeroth-order transmission-line form is applicable and agreement with the semi-empirical solution is quite good. The error involved in the theoretical wave number remains quite large at these heights. Note that the range over which the transmission-line type behavior predominates most likely extends beyond $d/\lambda_0 = .1$. Since deviations from this behavior occur at the next height measured, $d/\lambda_0 = .29$, it is safe to assume that the semi-empirical solution will be applicable over part of the range $.1 < d/\lambda_0 \le .29$. This is expecially true for the current and charge distributions and less so for the input admittance. Formulas which would correctly predict the wave numbers for heights up to $d/\lambda_0 = .29$ have not been developed. Note that in this range part of the reason for the discrepancies in the wave numbers may be due to end effects. But, since the error for $d/\lambda_0 = .02$ is so large, it is more than likely that the main cause is the violation of condition (1.3b).

3) As for the case when $|\mathbf{k}_2| >> |\mathbf{k}_1|$, the currents, charges and admittances begin to depart from the transmission-line behavior at $d/\lambda_0 = .29$ and take on antenna-type characteristics. Current and charge distributions can still be reasonably approximated by semi-empirical procedures but not the admittance which exhibits large errors when using this approximate technique.

Therefore, for antennas above moderately dense media for which $|\mathbf{k}_2| > |\mathbf{k}_1|$, a completely theoretical formulation does not exist for any range of heights. A transmission-line form, however, can clearly be used with the measured effective wave number to represent the antenna properties accurately for heights at least as great as $d/\lambda_0 = .1$ and up to $d/\lambda_0 = .29$ if large errors can be tolerated.

It is interesting to note that, although $|\mathbf{k}_2| > |\mathbf{k}_1|$ for moist earth at 300 MHz, at much lower frequencies where $\mathbf{p}_{\mathbf{e}} = \sigma/\omega\varepsilon$ becomes increasingly larger and the earth acts more like a conductor, the condition $|\mathbf{k}_2| >> |\mathbf{k}_1|$ can be obtained for moist earth. Under these conditions, one can expect that King's theory will hold in a manner analogous to the water cases. At these lower frequencies, water will also begin to act like a good conductor, which further reinforces the condition that $|\mathbf{k}_2| >> |\mathbf{k}_1|$ and results in a set of conclusions similar to the case of 300 MHz.

APPENDIX A

COMPUTER PROGRAM FOR EVALUATION OF THE COMPLEX WAVE NUMBER ON A WIRE ABOVE A DISSIPATIVE HALF-SPACE

The program in this appendix evaluates equation (1.7) which gives the complex wave number on a wire over a dissipative half-space. In the main program the operating frequency, wire spacing, radius of the wire, dielectric constant of the half-space, and conductivity of the half-space are read in on data cards. The following function subroutines and subroutines are used:

FUNCTION XK4 - Evaluates the complex wave number of the dissipative half-space.

FUNCTION DGAMMA - Evaluates the Gamma Function of the given argument.

SUBROUTINE BSLSML - Evaluates Bessel Functions \mathbf{J}_0 and \mathbf{J}_1 of complex arguments.

SUBROUTINE BESH - Evaluates the Hankel Function with complex argument.

TABLE 3.1

```
COMPLEX X<*,Z,Zx,xK1,X11,XZ,XU,JBES,YBES,XKL,RC,XKL1
COMPLEX SU*(60)
COMPLEX X21
COMPLEX X22
COMPLEX X
                                                                                  COMPLEX XIS

FRENCISION SETALSO, ALPRA(50), PATIOLISION, RATIO2(50), RATIO3(50), PATIO3(50)

FRENCISION SETALSO, ALPRA(50)

COMPLEX XIS

COMPLEX XIS
32.
33.
34.
35.
36.
37.
38.
40.
41.
42.
43.
45.
46.
48.
49.
50.
51.
52.
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60.
61.
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63.
64.
65.
66.
70.
71.
72.
73.
74.
75.
77.
78.
81 ·
82 ·
83 ·
84 ·
85 ·
86 ·
87 ·
```

```
1. FUNCTION XX4( SIGMA, OPEGA)
2. COMMON ER
3. COMPLEX XX4
4. H= SIGMA/((IMEGA=ER)=8.86E=12)
5. FF= SGRT(.5=(SGRT(1+(H=02))=1+))
6. GP= SGRT(.5=(SGRT(1+(H=02))=1+))
7. BB= OHEGA/(3-EB)
8. XX4(1= BOSFN=SGRT(ER)
9. XX4(2= BOSGN=SGRT(ER)
10. XX4= CMPLX(XX41,XX42)
11. RETURN
12. ED
```

```
1. FUNCTION DGAMMA(Dx)
2. XX=DX
3. IF(XX=57+)6+6+4
4. ERR=2
5. DGAMMA=1-E75
6. RETURN
7. 6 X=XX
8. ERR=1+0E=6
9. IERR=0
10. DGAMMA=1-0
11. IF(X=2-0)50+50+15
12. 10 IF(X=2-0)10+10+15
13. 15 X=X=1-0
14. DGAMMA=CGAMMA=X
15. GB TU 10
16. 50 IF(X=1-0)60+120+110
17. 60 IF(X=1-0)60+120+110
17. 60 IF(X=1-0)60+120+110
18. 62 Y=FUBAT(INT(X))=X
19. IF(X=6X+1-0)60+120+110
20. 64 IF(1-0-Y=ERR)+330+130+70
21. 70 IF(X=1-0)80+30+110
22. RD DGAMMA=DGAMMA/X
23. X=X=1-0
24. GB TU 70
25. 10 Y=X=1-0
26. IN Y=X=1-0
27. IN Y=X=1-0
28. DGAMMA=DGAMMA-SUBAMMA/X
29. IN Y=X=1-0
29.
```

```
1. SUBRAUTINE BSLSML(NORD,DZZ,DCBSLJ)
2. C SUBRAUTINE PSLSML'
3. C PSUBRAUTINE PSLSML'
3. C PSUBRAUTINE PSLSML'
4. C AND PROPER AND 1. ACCURACY UPTO 6TH DECIMAL PLACE OF MORE IS
5. C OBTAINED FOR ANS(Z) LESS THAN 20.
6. C SUBRAUTINE DESTROYS ITS INDIV VALUES
7. IMPLICIT COMPLEASE(C), REAL-A(T)
8. NORARD
9. TXMEAL(DZZ)
10. TXMEAL(DZZ)
11. XATX
12. YATY
13. TXMEAL(DZZ)
11. TXMEAL(DZZ)
12. YATY
13. TXMEAL(DZZ)
14. TXMEAL(DZZ)
15. TRAINED
16. TESTOPTY
17. REN
18. ETC=10.0
19. L*(SRRT(RHR*10.0*(X*X*Y*Y))*R)*ETC
17. FIRE COOR
21. TFRI-COOR
22. III*(L|1)*(A(*L*1))
23. JUM*(Z*L*A*Z)
24. DO **OU K*ILL
25. TPRII*(JUM*)*X
10.* TQRETTRA*TDI*TFI
26. TQRETTRA*TDI*TFI
27. TQLETE/TP
28. TQRETTRA*TOI*TFI
29. TQRETTRA*TOI*TFI
31. IF (**G**C)**D**D**TF**TDI*TFI
32. IF (**G**C)**D**D**TF**TDI*TFI
33. GOSTINUE
34. DGS**SUBCCMPLX(TFR,TFI)
35. RETURN
36. **OU TGRETTRA*TOI*TY
17. TQRETTRA*TOI*TY
18. TGRETTRA*TOI*TY
18. TGRETTRA*TOI*TOI*TY
18. TGRETTRA*TOI*TOI*TY
18. TGRETTRA*TOI*TOI*TY
18. TGRETTRA*TOI*TOI*TY
18. T
```

```
SUBMOUTINE RESH(Zx, N, KIND, xY0, IER)

C SUBMOUTINE RESH(Zx, N, KIND, xY0, IER)

C SUBMOUTINE RESH ANKEL FUNCTION WITH COMPLEX ARGLEMENTS.

SUBMOUTINE DESTAORS ITS INPUT VALUES

IMPLICIT COMPLEX.16(1)

COMPLEX XY0

CIMENSISM DT(1,2), CTT(6), DTX(6)

CX-2X

IF(N-EQ. (-AND-KIND-EG-1) GB TB 3CO

ON TO SOO

O
628 D3K.DG0
G8 T8 200
                                                BFSK 040
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BESK 066
                                                 BESK 069
BESK 070
BESK 071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESK 076
                             BESK PCS
```

```
220. 37 CCO*-DA
121. DX2|->CMP|X(1.DU,C.DC)
122. TFACT=1.DC
123. ThyC.DC
124. DF *C J=1.66
125. TRJ=1.DC/FLBAT(J)
126. DX2|->CMP|JECT|TRJ=TRJ
127. TFACT=1FACT+RU*TRJ
129. 40 DG0+DG0+DX2|-TFACT*(THJ=DA)
130. IF(:)+3+2+2+3
131. 42 DBK+DSO
132. G6 TB 200
133. C
134. C C6MPUTE K1 USING SERIES EXPANSION
135. C
136. 43 OX2J=DB
137. TFACT=1.DO
138. THJ=1.DO
139. DC1=1.DD/CX+DX2J*(*5D0+DA*THJ)
140. D6 50 J=2.8
141. TRJ=1.DO
139. TFACT*TRJ=TRJ
141. TRJ=1.DO
142. TRJ=1.DO
143. TFACT*TRJ=TRJ
144. TRJ=1.DO
151. SC DS1+DS2+DS2+TACT*(*5D0*(DA*THJ)*FLBAT(J)*)
143. TFACT*TRJ=TRJ
144. TRJ=1.DC/FLBAT(J)
147. 50 DS1+DS2+DX2J*(*5D0*(DA*THJ)*FLBAT(J)*)
148. C
149. C
149. C
149. C
151. SC DS1+DS2+DX2J*(*5D0*(DA*THJ)*FLBAT(J)*)
152. IF(**C**G**G**A**D**K|NC**EQ**1) G6 T6 110
152. IF(**C**EQ**1.A**D**K|NC**EQ**2) G6 T6 115
153. IF(**C**EQ**1.A**D**K|NC**EQ**2) G6 T6 115
154. IF(**C**EQ**1.A**D**K|NC**EQ**2) G6 T6 115
155. ID DSH=2*D**D**D**D**C**D**TPI
156. G7 T6 130
157. IS DBH=2*D**D**D**D**D**C**PI
158. G9 T6 130
159. 120 DBH=2*D**D**D**D**D**D**D**TPI
159. 120 DBH=2*D**D**D**D**D**D**D**D**D**TPI
150. CANTINUE
151. 130 CANTINUE
152. RETURN
153. END
```

APPENDIX B

TABLES OF MEASURED CURRENTS, CHARGES AND ADMITTANCES ON UNLOADED MONOPOLES OVER A DISSIPATIVE HALF-SPACE AND ON MODIFIED BEVERAGE ANTENNAS

This appendix contains all the measured data described in Part III.

Table 3.2 lists the measured data for the current and charge distributions on unloaded monopoles. The following terms are defined:

 $\{ {I \atop O} \}$ RMAG = Raw data for current and charge magnitudes.

 $\{ {1 \atop 0} \}$ RFAZ = Raw data for current and charge phases.

 $\{\frac{I}{Q}\}$ NMAG = Normalized magnitudes for current and charge.

 $\{\frac{I}{O}\}$ NFAZ = Normalized phases for current and charge.

 $\{\frac{I}{O}\}$ NREAL = Normalized real part of current and charge.

 $\{ {1 \atop 0} \}$ NIMAG = Normalized imaginary part of current and charge.

The remaining tables list the following data:

- Table 3.3. Measured input admittances and impedances of a monopole over dissipative media.
- Table 3.4. Measured current and charge distributions on modified Beverage antennas.
- Table 3.5. Measured input admittances and impedances of the modified Beverage antenna.

TABLE 3.2

	DISTRIB	TAL 1245	AT ATE CHARGE	DETAC . 1.143	ANTENNA BYER	FRESH WATER	
	FREIL	NCY . 300.00M	-2 6	ECe7	DYLAMOAD	• .0i00	
		۸. ۰	EASURED CLERE	AT CISTRIBUTION			
2/-		INFAL	1 NMAG 6.00C 5.86C 5.86C 5.86C 5.90C 5.16C 4.90C	INFAZ	INPEAL	INIMAG	
• C2	9.59 3.757 3.721	150.00 140.30 130.60	6.000	sc.oc	5-638	2.052	.003 -025
• 33 • 5c • 67	9.391	130.60	5.640	2C.0C 1C.3C .6C .5.2C .19.8C .3C.5C	5.638 5.766 5.640 5.331 4.836 4.222 3.517 2.746 1.893 1.026	1.048	.025 .050 .075
	7.58 7.158	110.20	5.1.0	*19.8C	5.331	-1.741	•075 •100 •125
•100 •117	7.759	89.00 77.60	**66C	7-1.00	3.517	-2.467	-125 -150 -175
•133 •150	7.233	89.00 77.60 65.60	**************************************	-52.40 -64.40 -76.20	1.893	-3.565 -3.950 -4.176	-200
-183	7. 60	31.20	*****	-87.8C	**652	***237 ***210 ***035 *3.76*	·250 •275
·200 ·217 ·233	7.126 7.193 7.793	10.60	*.28C	-109.80 -119.40	-1-929 -2-121 -2-750	-3.764	·300
.250	7.193	1.10	4.38C 4.38C	-138.CC	-3-210	-2.891	·350 ·375
.283 .300 .317	7.93 6.40 6.493	-19.2c -24.70 -33.co	1.260	-128.9C -128.9C -138.CC -149.2C -164.7C	-3-851	-3.409 -2.891 -2.212 -1.821 -1.205 -610	.+25
.333	6.360	-41.00 -56.00 -59.60 -69.70	3.90C 3.90C 3.82C 3.18C 2.92C	-171.00 -166.00 -189.60 -199.70	-3-852	**610 *399 *570	••50 ••75
•350 •367 •383	5.295	-69.70	3.180	-189.60	-3.372	1.072	·525
·*400	***62 ***62 **196	-80.60 -93.90 -107.60	2.68C 2.52C 2.46C	-21C.60 -223.9c -237.6c -252.cc	-1-931	1.486	•575 •600
.+33 .+50	96 196	-107.60 -122.00 -137.50 -150.00	2.46C 2.46C 2.52C	-252.CC -267.50	760	2.340	-625 -650 -675
83	*****	-15C.CC	2.52C 2.68C 2.80C	-22-CC -26-CC -28-CC -302-CC -312-CC -312-CC -318-6C -325-5C	1.00+	2.458 2.482 2.485	·700
•500 •517 •533	5.095	-162.00 -172.00 -182.00 -188.60 -195.90		-312.CC	1.927	2.375	•750 •775
-55g -567 -583	5.161 5.35 4.995	-195.90 -201.00 -207.00	3.060 3.100 3.060 3.000	-325.90 -331.00 -337.00	2.547	1.738	*800 *825
.600 .617	9.675	-207.CC	3.000	-337.00	2.762	1.484	-850 -875
.633	4.362 3.495 3.497	-212.80 -218.60 -225.40	2.82C 2.82C	-342.80 -348.60 -355.40	2.548	.834 .518 .188	·900 ·925 ·950
.650 .667 .683	3.497 2.964 2.464 2.65	-243.00	2.10C 1.78C	-362.80 -373.00	1.734		•950 •975 1•000 1•025
.7C0	2.065 1.931 2.065	-273.80 -297.60	1.2.0	-386.00 -403.80 -427.60	-895	649 858 -1.072	1.050
.750	2.399	-27.400 -212.480 -218.400 -222.400 -243.400 -243.400 -273.400 -273.400 -273.400 -377.000 -364.300 -377.000 -377	1.78c 1.9ec 1.2ec 1.1ec 1.3ec 1.9ec 1.9ec 2.2ec 2.5ec 2.8ec 2.8ec 2.9ec 2.9ec 2.9ec 2.9ec 2.9ec	-+27.60 -+52.00 -+70.00		71.072 71.239 71.353 71.408 71.466 71.477 71.468 71.394 71.356	1-100
.783 .*00 .817	3.596	-361.60 -368.30	1.960	-42.00 -491.60 -498.30 -503.00 -507.00 -509.60	-1-301	-1.468	1.150
.617 .633	595.	-373.00 -377.00	2.4.0	-5c3-0c	-1-249	-1-468	1 - 200 1 - 225 1 - 250 1 - 275
·867	**362	-381.3c	2.620	-509.60 -511.30 -513.00	-5-315	-1.356 -1.258 -1.162	1.300
•9co	3.596	-384.20 -385.50		-514.2C -515.5C	-2-281 -2-107 -1-966		1.325 1.350 1.375
.933 .950	3. 6.	-386.CC	1.840	-516.CC	-1-481	•.748 •.563	1.400
.983 .989	1.765	•387.50 •387.70 •387.50	1.8.c 1.4.c 1.06c -60c -42c	-517.50 -517.70 -517.50	-1.966 -1.681 -1.326 979 555	*****	1.450
							1.484
	RAP DA	TA PEASO	NED CHANGE CI	STRÍBUTION IN F IZEC CATÁ	ICCOUL/VOLT-		
Z/F	JAMAG	GRFAZ	GNMAG	CAFAZ	GAREAL	C+ 1++C	Z/LAMDAO
•017 •033	9.540 7.950 7.455 7.357 7.305 7.207 7.1.2	-1.2c -10.6c -21.30	25.4+C 21.20C 19.88C 19.62C 19.48C 19.22C	-1.20 -10.60 -21.30 -31.80	25.934 20.838 18.522 16.675 14.385 11.807 9.298	533 -3-900 -7-221 -10-335 -15-166 -16-501 -17-729 -18-035	.006 .025
50 67 83	7.357	-31.80 -42.40	19.620	-21.3C	16.675	-7-221	+075
•100	7.207	-52.10	19.220	-+2.4C -52.1C -60.60	11.807	-15-166	·100 •125 •150
•117	7.102	-69.40 -78.20	18.420	-69.40 -78.20 -87.00 -95.60	0.000	-17-729 -18-031	·175
•150 •167 •183	6.442	-87.00 -95.60	18-16C 17-18C	-87.CC -95.60	-1.676 -1.676 -4.054 -6.256	-17-098	.225
•200 •217	5.767 5.767 5.767 5.220	-104.4C -114.CO	16.30C 15.38C 14.58C 13.92C	-1C4.4C -114.00	-6.256	-15.788 -14.050	300
.233 .25c .267	5.225 •.972 •.717	-135.C0 -147.20	13.920 13.260 12.580	-12*-2C -135-CC -147-2C -163-CC	-8.195 -9.843 -11.146 -12.030	-12-059 -9-843 -7-183 -3-678	·325 ·350 ·375
.3cc	**620 **575	-163.00 -172.80	15.350		-12-553	-1.544	. +00
.333	**620	-198.50 -210.00	12.350	-186.20 -198.50 -210.00	-12.030 -12.223 -12.129 -11.683 -10.791	1.318 3.909 6.230	••50 ••75
•35¢ •367 •383	**770	-12*-2c -135*-cc -135*-cc -143*-cc -163*-cc -168*-2c -188*-5c -210*-cc -220*-7c -230*-cc -230*-cc -246*-6c -261*-cc	12.720	-210.00 -220.70 -230.00 -238.70 -246.60 -261.00	77.663	9.943	·525
••00 ••17 ••33	••972 ••372	-246.60	13.590	-238.70 -246.60	-6.889 -5.266 -1.447 -1.968	11.330	•575 •600
.433 .450	***717	-261.00	12.98C 12.58C 12.06C	-261.00	-1.968	12.899	·625
	3.877	-269.00 -276.60 -285.00	11.26C 10.3•C 9.•CC	-269.00 -276.60 -285.00	1.294	12.058 11.185	•675 •700
.500 .517	3.925	-305.00	8.550	-294.40	3.883	6.700	•750 •775
•550 •567	2.587	-318.CC -334.CC	0.900	-318.00 -334.00	6.202	3.025 1.036	.800 .825 .850
-983 -600	2.535	-351.00 -368.00 -383.40	6.76C 7.16C	-351.00 -368.00 -383.40	6.694	941	.875
·* 17 •633	3.150	-395.+0 -+06.00	7.820	-395.40 -406.00 -414.00	5.835	-4-530	.925
.417 .633 .650	3.150 3.382 3.578 3.727 3.780	14-00 20-00 25-50 30-40	9.020 9.540 9.540 10.080	-414.00 -420.00 -425.50 -430.40	6.374 5.835 5.302 4.270 4.122 3.381	-7-297	•925 •950 •975 1•000 1•025 1•050
.700	3.780	3C0	10.080	-43C-40	3.361	-9-496	1.025
.717 .733 .750	3.699 3.630 3.277 2.385		9.68C 8.74C	-++C.+C	2.485 1.614 1.065 -917 -221 -780	-9.544	1.100
		*****	7.960	-447.CC	•917	-7.949	1.150
	2.985	51.80	7.100	-451.8C		-7.096	1-175
.800 .817	2.385 2.662 2.212 1.717	51.80 57.60 66.60	7.100 5.900 4.560	-+51.8C -+57.6C -+66.6	780 -1 - 308	-5.848 -4.389	1 · 175 1 · 200 1 · 225
.800 .817 .833 .850	2.785 2.662 2.212 1.717 1.140 .795		9,5+C 10-08C 9,86C 9,68C 8,7+C 7,96C 7,10C 5,96C 4,58C 2,12C 2,3+C	-451.80 -457.60 -466.60 -482.0 -515.0	-1.921 -1.921 -2.213	-5-848 -4-389 -2-578 896 -762	1.050 1.075 1.100 1.125 1.150 1.175 1.200 1.225 1.250 1.275 1.300
.800 .817 .833 .850 .867 .883	2-285 2-662 2-212 1-717 1-1-0 -795 -795 1-262 1-792	- +51.60 - +57.60 - +66.60 - +82.00 - 515.00 - 559.00 - 585.50 - 597.80	7.100 5.900 4.580 3.040 2.120 2.340 3.420 4.780	-451.8C -457.6C -466.6 -482.C -515.C -585.E -597.1	-780 -1.304 -1.611 -1.921 -2.213 -2.397 -2.567	-5.848 -4.389 -2.578 -896 -762 2.439	1.175 1.200 1.225 1.250 1.275 1.300 1.325 1.350
.800 .817 .833 .850 .867 .883	2.212 1.717 1.140 .795 .878 1.282 1.792	-585.50 -597.80 -604.40	3.42C 4.78C 6.26C 7.20G	-35.40 -35.40 -440.40 -43.60 -47.60 -451.80 -457.66 -36.69 -35.0 -555.0 -555.0 -568.1 -664.1 -664.1	-1.611 -1.921 -2.213 -2.397 -2.547		1.325 1.350 1.375
800 817 833 850 867 883 900 917 933 950 967 983	2-785 2-652 2-212 1-717 1-140 -795 1-282 1-792 2-3-7 2-700 3-37 3-182 3-500 3-877	-51.8c -57.8c -66.6c -82.cc -559.cc -557.8c -67.8c -67.8c -610.cc -612.cc -613.cc	7.100 5.900 4.580 3.040 2.120 2.340 3.420 4.780 6.260 7.200 8.100 9.020 9.020 10.340			-5.848 -4.389 -2.578 -896 .762 2.439 4.045 5.645 6.676 7.612 8.579 9.181	1.175 1.225 1.225 1.255 1.255 1.250 1.325 1.350 1.375 1.405 1.475 1.475 1.477

TABLE 3.2 (CONTINUED)

	LISTAIR	TION OF CLARE	T AND CHARGE	-	ATENNA OVER F	RESH WATER	
	ALFAL/BET	AL1289	BETAL/B	ETAC - 1-143	H/1 AP	CAn - 1-000	
	FREGUE	NCY . 300.00M	.Z PE	• -067	DZAMDAG	• .0100	
				T CISTRIBLTION			
	RAN C			IZEC DATA			
/-	IRMAG	18F 47	INFAG	INFAZ	INREAL	INIMAG	Z/LAMDO
0.3				75.00			*003
25	9.990 8.691 8.35*	150.00 140.50 130.80	5.3.C 5.02C	20.00 10.50 -80 -11.50 -21.70	5.636 5.251 5.020	2.052 .973 .070	.025
.75	7.692	118.50	9.020	-11-50	5-020	-070	•050 •075
100	7.159	118.50 105.30 91.10	* · 30C	-24.7C	3-907	-1.797 -2.524	-075 -100
.150	6.560	80.00	3.940	-50.00	3.907 3.129 2.533 1.512	-3.018 -3.725	•125 •150 •175
.175	6.693	49.30	*-020	-5C.CC -67.9C -8C.7C	1.512	-3.725	·175
.225 .250 .275	6.893 7.326 7.692	38.CC 27.50	***00	-92.00	15-	086 397 510	.225
.275		19.30	208.0	-102-50	-154 -1-000 -1-697		·225 ·250 ·275
.300	7.992 6.325 6.458 6.392 6.192 7.692 7.159 6.194 5.994 3.763 3.364 3.263 3.263 4.362 5.161	11.80		-92.00 -102.50 -110.70 -118.20 -126.00	-2-363	7	-300
.350	6.392	**C0 *1.50	5.0.0	-120.00 -131.50	-3-340	-3.775	·300 ·325 ·350
.375	7.692	-7.60	4.920	-137.60 -143.50	-3-633	-3.318 -2.748	·375
.425	7.159	-1.50 -7.60 -13.50 -20.00 -26.60 -34.40 -55.00	*-30C	-15C.CC	-3.724	-2.150	.425
75	5.694	-26.60	3.840	-156.60	-3-524	-1.525	.425 .450 .475
	**762	-45.00	2.860	-164.40 -175.00	-3-294		.500
.525 .550	3.363	-58.50 -76.80	5.340	-188.5C -2C6.8C	-5.31*	.346 .911	•500 •525 •550
-575	3.264	-100.00	1-8+C	-23C.0C -252.70	-1-183	1.410	-575
.600	3.763	-141.20	2.260	-252.70	563	2.260 2.550	-600
.650 .675 .700	5.161	-141.20 -153.3C -162.70 -169.50	2.620	-271.20 -283.30 -292.70 -299.50	-1 · 183 - 583 - 047 - 603	2.550	.575 .600 .625 .650 .675
.700	5.794	-149.50	3.480	-299.50	1 · 196 1 · 71 4 2 · 158	3.029	-700
.725 .750 .775	6.360	-174.40	3.820	-304.40	2-158	3-152	
.775	6.860	-174.40 -178.70 -181.00 -183.20	*-10C	-304.40 -308.70 -311.00 -313.20	2.563 2.755 2.620	3.200 3.170 3.003	•750 •775
.825	6.760	-185.50	**000	-313.20 -315.50 -317.00	2.896	2.846 2.523	-800 -825 -850 -875
.850 .875	6.161	-187.CO	3.700	317.00	2.706	2.523	.850
.900	5.594	-188.50 -189.20	2.820	-318.50 -319.20	2.516 2.135 1.655	1.843	
•925 •950	2.731	-19C.CC -19C.60	2-160	-320.60	1.655	1.388	·925
.975 .984	1.532	-191.30 -192.00	.920	-321.30	•718 ••73	.575 .369	•975
. 704	.,,,	-192.00	••00	-355 · CC	• 473	.369	-984
		B. MEASU	RED CHARGE CI	STRIBLTION IN	PICCOLI ZVOLT-		
	PAR D			IZEC DATA			
2/H	GRMAG	GRF 47	GNEAG	CAFAZ	CNOCAL	CNIMAG	Z/LAMDAO
Z/H	GRMAG	GRFAZ	GNMAG	GNFAZ -3-AC	GNREAL DA IRA	CNIMAG	Z/LAMDAO
+006	9.694	GRFAZ -3.40 -11.50	26.200	-3.40	GNREAL 26.154 21.558	-1.554	-006
.006 .025 .050	9.694 8.140 8.096 6.140	-3.40 -11.50 -20.20 -29.40	26.20C 22.00C 21.88C 22.00C	-3.40 -11.50 -20.20	GNREAL 26.154 21.558 20.539 19.167	-1.554 -4.386 -7.555 -10.800	-006 -025 -050 -075
.006 .025 .050 .075	9.694 8.140 8.096 6.140 8.140	-3.40 -11.50 -20.20 -29.40 -37.00	26.20C 21.88C 22.00C 21.00C	-3.40 -11.50 -20.20	26.154 21.558 20.534 19.167	-1.554 -4.386 -7.555 -10.800	-006 -025 -050 -075 -100
.006 .025 .050 .075	9.694 8.149 8.096 6.149 8.149 7.940	-3.40 -11.50 -20.20 -29.40 -37.00	26.20C 22.00C 21.88C 22.00C 22.00C	-3.40 -11.50 -20.20 -25.40 -37.00	26.154 21.558 20.534 19.167	-1.554 -4.386 -7.555 -10.800	-006 -025 -050 -075 -100
.006 .025 .050 .075 .100 .125	9.694 8.149 8.096 6.149 8.149 7.940	-3.40 -11.50 -20.20 -29.40 -37.00	26.20C 22.00C 21.88C 22.00C 22.00C	-3.40 -11.50 -20.20 -25.40 -37.00 -45.00 -56.30	26.154 21.558 20.534 19.167	-1.554 -4.386 -7.555 -10.800	-006 -025 -050 -075 -100
.006 .025 .050 .075 .100 .125 .150 .175 .200	9.694 8.149 8.096 6.149 8.149 7.940	-3.40 -11.50 -20.20 -29.40 -37.00	26.20C 22.00C 21.88C 22.00C 22.00C	-3.40 -11.50 -20.20 -25.40 -37.00 -45.00 -56.30 -58.60	26.154 21.558 20.534 19.167	-1.554 -4.386 -7.555 -10.800	.006 .025 .050 .075 .100 .125 .150 .175 .200
.006 .025 .050 .075 .100 .125 .155 .200 .225 .225	9.694 8.149 8.096 6.149 8.149 7.940	-3.40 -11.50 -20.20 -29.40 -37.00	26.20C 22.00C 21.88C 22.00C 22.00C	-3.40 -11.50 -20.20 -25.40 -37.00 -50.30 -56.60 -65.80 -74.00 -83.30	26.154 21.558 20.534 19.167	-1.554 -4.386 -7.555 -10.800	-006 -025 -050 -075 -100 -125 -150 -175 -200 -225 -250
.006 .025 .050 .075 .100 .125 .150 .175 .200 .225 .250 .275	9.694 8.149 8.149 8.149 8.149 7.940 7.541 7.444 6.993 6.394 5.794 5.724	-3.40 -11.50 -20.20 -29.40 -37.00 -56.30 -56.40 -65.80 -74.00 -83.30 -94.40 -107.30	26.20C 22.00C 21.88C 22.00C 22.00C	-3.40 -11.50 -22.20 -25.40 -37.00 -50.30 -56.60 -74.00 -83.30 -94.40	26.154 21.558 20.534 19.167	-1.554 -4.386 -7.555 -10.800	-006 -025 -050 -075 -100 -125 -150 -175 -200 -225 -250 -275
.006 .025 .050 .075 .125 .150 .175 .205 .225 .255 .255 .275 .200 .3250	9.694 8.149 8.149 8.149 8.149 7.940 7.541 7.444 6.993 6.394 5.794 5.724	-3.40 -11.50 -20.20 -29.40 -37.00 -56.30 -58.60 -65.80 -74.00 -83.30 -94.40 -107.30 -123.00	26.20C 22.00C 21.88C 22.00C 22.00C 20.38C 20.12C 18.90C 17.28C 15.66C 12.56C 11.48C	-3.40 -11.50 -22.20 -25.40 -37.00 -50.30 -56.60 -74.00 -83.30 -94.40 -127.40	26.154 21.558 20.534 19.167	-1.554 -4.386 -7.555 -10.800	.006 .025 .050 .078 .100 .125 .150 .175 .200 .225 .278 .300 .325 .350
.025 .025 .050 .125 .125 .150 .175 .225 .250 .250 .250 .255 .300 .325 .355	9.694 8.149 8.149 8.149 8.149 7.940 7.541 7.444 6.993 6.394 5.794 5.724	-3.40 -11.40 -2C.20 -2F.40 -3F.00 -5C.30 -58.60 -74.00 -83.30 -94.40 -123.00 -123.00 -123.00	26.20C 22.00C 21.88C 22.00C 22.00C 20.38C 20.12C 18.90C 17.28C 15.66C 12.56C 11.48C	-3.40 -11.50 -22.20 -25.40 -37.00 -50.30 -56.60 -74.00 -83.30 -94.40 -127.40	26.154 21.558 20.534 19.167	-1.554 -4.386 -7.555 -10.800	.006 .025 .050 .075 .100 .125 .155 .200 .225 .250 .275 .300 .325 .350
-025 -025 -025 -025 -025 -125 -125 -125 -125 -125 -125 -125 -1	9.694 8.149 8.149 8.149 8.149 7.940 7.541 7.444 6.993 6.394 5.794 5.724	-3.40 -11.40 -2C.20 -2F.40 -3F.00 -5C.30 -58.60 -74.00 -83.30 -94.40 -123.00 -123.00 -123.00	26.20C 22.00C 21.88C 22.00C 21.60C 20.38C 20.12C 18.50C 17.28C 15.66C 14.18C 11.58C 11.58C 11.58C 11.58C	-3.40 -11.50 -22.20 -25.40 -37.00 -50.30 -56.60 -74.00 -83.30 -94.40 -127.40	26.154 21.558 20.534 19.167	-1.554 -4.386 -7.555 -10.800	.006 .025 .075 .105 .125 .155 .155 .200 .225 .275 .300 .325 .350 .375 .000 .225
-006 -025 -050 -075 -100 -125 -150 -175 -205 -225 -225 -225 -325 -325 -375 -375 -400 -425 -425	9.694 8.149 8.199 8.149 7.994 7.594 7.594 7.594 5.794 5.794 4.647 4.196 4.196 4.196 4.196 4.196	-3.40 -11.50 -20.20 -37.00 -45.00 -50.30 -58.60 -74.00 -83.30 -94.40 -107.30 -123.00 -140.70 -158.60 -174.00 -184.60	26.20C 22.00C 21.88C 22.00C 21.46C 20.38C 20.12C 18.90C 17.28C 15.66C 14.18C 11.48C 11.48C 11.48C 11.48C 11.48C	-3.40 -11.50 -26.20 -27.40 -37.00 -50.30 -50.30 -51.80 -74.00 -83.30 -94.40 -123.00 -123.00 -123.00 -124.00 -124.00	26.154 21.558 20.534 19.167	-1.554 -4.386 -7.555 -10.800	-006 -025 -050 -077 -100 -125 -150 -175 -200 -225 -275 -275 -350 -325 -350 -355 -350 -355 -350 -355 -355 -35
.066 .025 .055 .055 .125 .150 .125 .150 .175 .205 .225 .225 .225 .225 .325 .325 .325 .32	9.694 8.149 6.149 7.994 7.594 7.693 6.399 6.399 6.399 4.647 8.1196 4.1196 4.196 7.247 5.599	-3.40 -11.50 -20.20 -37.40 -45.00 -50.30 -54.60 -44.60 -74.60 -74.60 -77.30 -77.30 -77.30 -77.40 -77.40 -77.40 -77.40 -77.40 -77.40 -77.40 -77.40 -77.40 -77.40 -77.40	26.20C 22.00C 21.88C 22.00C 22.00C 22.00C 22.38C 20	-3.40 -11.50 -26.20 -27.40 -37.00 -50.30 -50.30 -51.80 -74.00 -83.30 -94.40 -123.00 -123.00 -123.00 -124.00 -124.00	26.154 21.558 20.534 19.167	-1.554 -4.386 -7.555 -10.800	-006 -025 -050 -075 -100 -125 -155 -175 -200 -225 -275 -300 -325 -350 -350 -355 -350 -355 -350 -355 -355
**************************************	9.6947 8.1496 6.1493 7.5414 6.1993 5.794 5.794 4.647 4.647 4.196 4.196 4.196 4.196 5.294 6.1994 6.1994	-3.+C -11.50 -20.20 -27.+C -37.+C -45.+C -65.+C -65.+C -65.+C -74.+C -74.+C -107.+G -123.+C -123.+C -123.+C -123.+C -123.+C -123.+C -123.+C -123.+C	26.20C 22.00C 21.88C 22.00C 20.38C 22.00C 10.38C 10.38C 11.28C 11.28C 11.38C 11.38C 11.38C 11.38C 11.38C 11.38C 11.38C 11.38C 11.38C	-3.40 -11.50 -25.40 -37.00 -35.00 -56.30 -56.40 -74.00 -83.30 -94.40 -107.30 -127.00 -126.00 -127.00 -126.00 -127.00 -126.00 -127.00 -126.00 -	26.154 21.558 20.534 19.167	-1.554 -4.386 -7.555 -10.800	-006 -025 -050 -075 -100 -125 -155 -200 -225 -250 -250 -305 -305 -305 -305 -305 -305 -305 -3
+006 +025 +075 +107 +125 +125 +125 +125 +125 +225 +225 +225	9.6947 8.1496 6.1493 7.5414 6.1993 5.794 5.794 4.647 4.647 4.196 4.196 4.196 4.196 5.294 6.1994 6.1994	-3.*C -11.50 -20.20 -27.*C -37.*C -55.*S -56.*S -56.*S -63.*S -63.*S -63.*S -63.*S -63.*S -63.*S -123.*C -123.	26.20C 22.00C 22.00C 22.00C 22.00C 21.46C 20.38C 21.46C 20.38C 21.46C 20.38C 21.46C 21.48C 21	-3.40 -11.50 -25.40 -37.00 -35.00 -55.30 -63.80 -63.80 -63.30 -123.00	26.154 21.558 20.534 19.167	-1.554 -4.386 -7.555 -10.800	-006 -025 -055 -100 -105 -150 -155 -200 -225 -255 -255 -255 -255 -255 -2
**************************************	9.694 8.196 6.140 6.140 7.541 6.199 7.541 6.994 6.994 8.1994 8.1994 8.1994 8.1994 8.1995 8.100 8	-3.*C -11.50 -20.20 -27.*C -37.*C -55.*S -56.*S -56.*S -63.*S -63.*S -63.*S -63.*S -63.*S -63.*S -123.*C -123.	26.20C 22.00C 22.00C 22.00C 22.00C 21.46C 20.38C 21.46C 20.38C 21.46C 20.38C 21.46C 21.48C 21	-3.40 -11.50 -25.40 -37.00 -35.00 -55.30 -63.80 -63.80 -63.30 -123.00	26.154 21.558 20.534 19.167	-1.554 -4.386 -7.555 -10.800	-006 -025 -055 -055 -100 -125 -125 -125 -225 -225 -275 -275 -275 -275 -275 -2
+006 +025 +025 +025 +025 +125 +125 +125 +125 +125 +125 +225 +2	9.094 8.1990 6.1490 6.1490 7.594 6.1990 7.594 6.999 9.000 9.	-3.*C -11.50 -20.20 -27.40 -37.40 -37.40 -37.40 -58.40 -74.40 -65.80 -74.40 -74	24.20C 24.00C 22.00C 22.00C 22.00C 22.00C 21.46C 20.38C 21.46C 20.38C 21.46C 21.46C 21.48C 21	-3.40 -11.50 -25.40 -37.40 -37.40 -46.40 -65.80 -74.60 -74	24.1554 21.5554 21.5554 19.527 17.570 13.018 7.748 4.7627 -3.728 -4.7627 -4.7627 -1.1615 -1.2516 -1.31600 -1.31	-1.554 -7.555 -10.80c -13.24c -15.170 -17.173 -17.173 -17.239 -18.611 -15.553 -11.992 -1.992 -1.551 -1.552	-006 -025 -025 -027 -100 -125 -155 -250 -275 -300 -255 -275 -300 -255 -375 -300 -300 -300 -300 -300 -300 -300 -30
+006 +025 +025 +025 +125 +125 +125 +125 +125 +125 +125 +1	9-694 8-196 6-196 6-14-0 7-5-4 6-196 6-199 6-1994 5-7-4-7 4-2-4 196 4-196 4-199 5-2-994 5-2-99	-3.*C -11.50 -22.40 -37	24.20C 22.00C 21.88C 22.00C 22.00C 22.00C 22.00C 22.00C 21.98C 21	-3.40 -11.50 -25.40 -37.00 -45.00 -45.00 -55.40 -74.00 -63.40 -74.00 -123.00 -	24.1554 21.5554 21.5554 19.527 17.570 13.018 7.748 4.7627 -3.728 -4.7627 -4.7627 -1.1615 -1.2516 -1.31600 -1.31	-1.55e -7.555 -10-400 -13-400 -13-400 -17-1793 -18-680 -17-1793 -18-680 -17-1793 -18-680 -18-553 -18-680 -18-553 -18-680 -18-553 -18-680 -18-6	-004 -025 -025 -027 -037 -037 -037 -037 -037 -037 -037 -03
-UC65 -C2505 -C2	9.199 8.199 8.190 8.190 8.190 8.190 9.100 9.100 9.100 9.100	-3. c	24.20C 22.00C 21.88C 22.00C 22.88C 22.00C 23.00C 23.00C 24.28C 24.28C 24.28C 24.28C 25.22C 25	-3.4c -2.1.5c -2.5.4c	26.15-1 21.55-8 21.53-9 17.16-7 17.57-7 13.3-13 13.3-1	-1.55e -7.555 -(0-800 -13.840 -13.840 -13.840 -13.840 -13.831	-004 -025 -025 -025 -025 -025 -105 -105 -105 -107 -107 -225 -255 -275 -275 -275 -275 -275 -27
-UC650505050505050505050505050505050505050	9.199 8.199 8.190 8.190 8.190 8.190 9.100 9.100 9.100 9.100	-3. c	24.20C 22.00C 21.88C 22.00C 22.88C 22.00C 23.00C 23.00C 24.28C 24.28C 24.28C 24.28C 25.22C 25	-3.4c -2.1.5c -2.5.4c	26.159 20.599 20.599 17.570 17.570 13.170 10.183 10	-1.55e -7.555 -(0-800 -13.840 -13.840 -13.840 -13.840 -13.831	-004 -025 -025 -027 -050 -077 -102 -077 -102 -077 -077 -077
-UC650505050505050505050505050505050505050	9-99 8-149 8-149 8-149 8-149 9	-3c -11.50 -25.2c -25	24-20 CC 21-85 C 22-00 C 21-85 C 22-00 C 21-85 C 22-00 C 21-85 C 22-00 C 21-85	-3.4c -11.5c -25.4d -37.4d -37	26.184 20.594 27.594 17.575 17	-1.55a -7.555 -10.600 -13.640 -13.640 -17.173 -16.651 -17.1739 -16.651 -17.1739 -16.651 -17.1739 -17.1	- 004 - 025 - 025 - 027 - 1050 - 177 - 1250 - 177 - 250 - 277 - 3250 - 377 - 3250 - 377 - 3250 - 377 - 3250 - 377 - 3250 - 377 - 3250 - 377 - 3250 - 377 - 3250 - 377 - 3250 - 377 - 3250 - 377 - 3250 - 377 - 775 - 3250 - 775 - 77
-UC650505050505050505050505050505050505050	9-94 6-194 6-194 6-194 6-194 6-194 6-194 6-199 6-1	-30 -1.150 -201.150	24-20 CC 21-86 CC 21-	-3.4C -26.26 -27.40 -45.26 -27.40 -45.26 -27.40 -45.26 -27.40 -45.26 -27.40 -47	20.154 20	-1.55a -7.555 -10.600 -13.240 -13.240 -13.240 -13.232 -14.232	.004 .025 .027 .106 .107 .108 .1186 .1186 .1186 .250 .277 .208 .250 .277 .208 .208 .208 .208 .208 .208 .208 .208
-UC250505050505050505050505050505050505050	9-99 8-149 8-149 8-149 8-149 9	-3c -1.50 -26.20 -27.40 -25.30 -25.	24-20 CC 21-86 CC 21-	-3.4C -11.5C -27.4C -27.4C -27.4C -45.0C -56.3C -56.3C -57.4C -83.3C -83.3C -127.4C -1	20.159 20	-1.55a -7.555 -10.600 -13.240 -13.240 -13.240 -13.232 -14.232	- 004 - 0050 - 0070 - 1050 - 1070 - 11550 - 1750 - 1750 - 2750 -
-UC250505050505050505050505050505050505050	9-19-9- 8-19-9	-3c -1.50 -26.25 -27.40 -25.25 -27.40 -25.25 -27.40 -25.25 -27.40 -25.25 -27.40 -27.	28-20 CC 22-20 CC 22-	-3 - 4 C - 2	20.154 20	-1.55a -7.555 -10.40c -13.24c -13.24c -13.24c -17.231 -15.553 -1.792 -15.553 -1.792 -17.231 -17.231 -17.231 -17.231 -17.231 -17.231 -17.231 -17.232 -17.232 -17.232 -17.232 -17.232 -17.242 -1	.004 .025 .027 .106 .107 .108 .1186 .1186 .1186 .250 .277 .208 .250 .277 .208 .208 .208 .208 .208 .208 .208 .208
-UC2505 -102505 -112505 -12505	9-94 6-1	-3c -1.50 -26.20 -27.40 -25.30 -25.	28-20 CC 22-20 CC 22-	-3.4C -11.5C -27.4C -27.4C -27.4C -45.0C -56.3C -56.3C -57.4C -83.3C -83.3C -127.4C -1	20.154 20	-1.55a -7.555 -10.600 -13.240 -13.240 -13.240 -13.232 -14.232	.004 .025 .075 .075 .075 .075 .075 .075 .075 .07

TABLE 3.2 (CONTINUED)

	015telbut	ION OF CLARES	T AND CHARGE	EN PONDERLE AT	TENNA BUER E	REST BATER	
	ALFAL/HETAL	0911	BETAL/	ETAC . 1.052	FILAM	CAO . 1.500	
	FEE DEN			ce7		0500	
	RA- DA		NORMAL	IZEC CATA	IN HAZVOLT		
2/2	IN"AS	IRFAL	INFAG	INFAI	INFEAL	IN I MAG	Z/LAMOO
. 17	7.000	140.10 128.40 116.00 102.10	3.86C 3.56C 3.36C 3.30C 3.32C	26.10 13.40	3 - 8 C 3 3 - 75 5 3 - 75 5 3 - 27 5 2 - 96 1 2 - 54 0	1.782	.003
. 50 . 67 . 63	679 6.115 6. 05 6. 12		3.300	-12.90 -26.20 -40.10	3.275	-:062 -:750 -1-457	.050 .075
.100 .117 .133	4.020	62.40		-40.10 -52.60 -64.40 -74.60	2.540	,1.457 -2.138 -2.717 -3.283 -3.683	•100 •125 •150 •175
.15 .15	6.952 7.353	*C.*0 31.5c	3.820	-74.6C -83.5C	2.027 1.573 1.014	-3.683 -4.014 -4.179	·200 ·225 ·250 ·275
103	7.453 7.453 7.454 7.462 7.972	74.90 62.40 50.60 40.40 31.50 23.90 17.10 10.70	*.C*C *.18C *.32C *.38C	-83.50 -91.10 -97.90 -104.30	594	-4.179 -4.279	·250 ·275
.217	6.95 7.05 7.65 7.97 7.97 7.97 7.69 7.69 7.67 6.15 6.65 6.7 6.15 6.7 6.7 6.15 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7	-1-10	**380	-110.50 -116.10 -122.00 -128.20 -134.60 -142.10	-1.53.	103	•300 •325 •350 •375
·25 ·267 ·283	7.207 6.607	-13.20 -19.60 -27.10	3.96C 3.74C 3.38C	-128.20 -134.60	-2.449 -2.626 -2.667	-3.545 -3.112 -2.663 -2.076	• 400 • 425 • 450
.317	5.531	-36.CC -47.20	3.35C 3.04C	-142.10 -151.00	-2-667	-1 -474	
.35n .367 .383	3.964	-6C-00	3.0.0 2.760 2.400 2.180	-142.10 -151.00 -162.20 -175.00 -191.50	-5-136	• • • • • • • • • • • • • • • • • • • •	•500 •525 •550
••00	*****	-94.30 -113.30 -127.70	5.50C 5.10C	-209.30 -228.30 -242.70 -254.00	-1.831 -1.465 -1.101 739	1.028	.575 .600 .625 .650 .675 .700 .725
••50	5.424 5.497	-127.70 -139.00 -148.50 -155.30	2.680	-254.00 -263.50 -270.30	739	2.576	·650 ·675
• • • • • • • • • • • • • • • • • • •	0.370	-161.70 -167.40 -171.50 -175.40	3.50C 3.66C	-276.70 -276.70 -282.40 -286.50	327 -017 -+08 -786	2.961 3.240 3.476 3.575	•700 •725 •750
•517 •533	0.783 0.716 0.707	-171.50 -175.40	3.78C 3.80C	-286.50 -290.40 -294.80 -298.00	1.074	3.624 3.562 3.395 3.179	•750 •775 •800
•550 •567 •563	6.115	-179.80 -183.00 -187.10	3.74C 3.60C 3.36C	-3C2.1C	1.074 1.074 1.325 1.569 1.690 1.785		-800 -825 -850 -875
.617 .633	5.496 4.765 4.704	-191.30 -196.40 -202.80	3.050	-3C6.3C -311.4C -317.8C	1.788 1.733 1.630 1.493	2.434 1.965 1.478 .969	.900
.650 .667	4.240	-212.00	1.360	-327.00 -343.00 -366.80	1.301	.969 .398 128	.950 .975 1.000 1.025
.700 .717	1.529	-251.40 -263.40 -310.60 -326.50	1.08C 1.06C 1.32C	-398.80	1.301 1.672 .826 .545 .251	-1.202	1.050
.733 .750	3.735	-326.50 -336.00	1.700 2.140	-441.5C	037	-1-681	1.100
.783 .600	5.2.2	-346.00 -346.40 -349.50 -355.40 -356.30	2.88C 3.20C 3.46C 3.56C	-457.00 -461.40 -464.50 -467.00		-2.481 -2.823 -3.09£	1.150 1.175 1.200
•617 •633 •550	6.297	-352.00 -353.60				-3.09£ -3.309 -3.374 -3.412	1.200 1.225 1.250 1.275
.467 .883	6.06	-356.30 -357.30	3.520	-47C.4C -471.3C -472.3C	-1·269 -1·279 -1·298	-3.280 -3.164 -2.854	1.300 1.325 1.350 1.375
.900 .917 .933	5-169	-357.30 -358.00 -358.90 -359.10 -359.50	3.10C 2.84C 2.38C	-472.3C -473.0C -473.9C	-1 -211 -1 -151 972	-9.594	1.350
.950 .967	3.422 2.548 1.420	-359.50 -359.90 -359.90 -360.40	1.88C 1.40C .78C .52C	-474.10 -474.50 -474.90 -474.90 -475.40	572 780 589	-2.173 -1.711 -1.270 707	1.400 1.425 1.450
.989	.346	-360.40	-520	-475.40	358	470	1.444
		B. MEASU	RED CHARGE CI	STRIBLTION IN F	100001/4017-	•	
2,+	RAN DAT	GRFAZ	NORMAL	STEC CATA GNFAZ	GNREAL	CHIPAG	Z/LAMDAO
•00• •017 •633	9.963	•00	24.00C 19.20C 18.00C	.00	24.000	-2.107	.006 .025 .050
	9.96; 7.96* 7.470 7.321 7.155 6.872	-6.30 -13.00 -20.30 -26.90 -33.60	18.000 17.640	-6.30 -13.00 -20.30 -26.90 -33.60	24.000 19.084 17.539 16.544 15.375 13.793	-6-120	•075
67 83 -100 -117	7.155 6.872 6.57.	-26.90 -33.60 -39.50	17.6+C 17.2+C 16.56C		15.375	-7.800 -9.164 -10.075 -10.988	.100
.117	6.225 5.777 5.378	-47-10 -55-30	15.8.C 15.00C 13.92C	-39.5c -47.10 -55.30	12.223 10.211 7.924 5.979 3.052	-10-988	•150 •175 •200
•167 •163	•••31 ••382 ••384	-64.50 -74.80 -86.40 -100.50	12.96C 11.64C 1C.56C	-64.5C -74.8C -86.80	5.579 3.052 .589 -1.793	-11.444 -11.698 -11.233 -10.544	·250 ·250
*200 •217	3.964	-10C-50 -116-CC	10.560 9.840 9.600 9.960	-86.80 -100.50 -116.00 -131.10	-1.793 -4.208 -4.547	-10-544 -9-675 -8-628 -7-505 -6-087	·300
.250 .267	*****	-116.CC -131.10 -144.80 -157.20	11.280	-144.8C -157.20			·375
·283	5.729	-167.40 -175.70 -183.00	12.00C 12.84C 13.80C	-167.4C -175.70 -183.00	-10.399 -11.711 -12.404 -13.781 -13.847	-2.618 963	• • 25 • • 50
•333 •350	5.427	-189.50 -195.CC	14.04C	-189.50 -195.00		.722 2.317 3.758 5.103	.500 .525
.367 .383	5.976 5.827	-205.10	1*****C 1*****C	-200.40 -205.10 -210.30	-13.722 -13.040 -12.122	6-108 7-08*	•550 •575 •600
17	5.461	-215.00 -220.40 -226.70	13.160	-21C.3C -215.CC -22C.4C -226.7C	-10.780	7.548	.650
••67	3.98.	-544.50	9.60C 8.0°C 6.76C	-534.50	-5.616	7.786	·700
•500 •517	2.445	-258.00 -276.70	6.76C 5.88C	-258.00 -276.70	-1.405	5.840	•750 •775
.550 .567	2.903	-321.80 -338.80	5.960 7.000 8.160	-299.50 -321.80 -338.80 -351.00	6.526 8.060	3.686 2.531 1.277	·825
.583 .600 .617 .633	3.786	-351.00				-022	· 875
.633 .650 .667	• 382 • 781 5 • 60 5 • 262	-366.20 -371.00 -375.20 -378.40	10.560 11.520 12.200 12.660	-371.CC -375.2C	11.308	-1.140 -2.198 -3.209 -4.002	•900 •925 •950 •975 1•000
.667 .683 .700 .717	5.302	-378.40 -381.10 -384.20 -387.30	12.68C 12.920 12.84C 12.12C	-356.20 -371.00 -375.20 -376.40 -381.10 -384.20 -387.30	9.360 10.498 11.308 12.632 12.632 12.654 11.777 10.664 7.296 5.918 4.226	-4.002 -4.651 -5.263 -5.559	1.000
.717	5 • ,30 • • 76 •	-387.30 -389.00	12.120	-387.30 -385.00	10.770	-5-559 -5-566	1.075
.733 .750 .767 .783	3.652 3.88 2.39 1.652	-389.00 -391.40 -394.00 -397.30 -402.80 -413.00	12-12C 11-46C 1C-08C 8-80C 7-44C 5-76C	-389.00 -391.40 -394.00 -397.30	7.296	-5.566 -5.252 -4.921 -4.509	1.025 1.050 1.075 1.100 1.125 1.150 1.175
•8CG	1.652	02.80	5.76C 3.98C	-+c2.8c		-4-509 -3-914 -3-179 -2-179 -1-299 -360 -634 1-573	1.500
*5c	1.425	13.co 39.cc 98.5c -53.co -5.7.cc	3.4.0	-198.50 -531.00	-1.468 -3.421 -5.161 -6.924	-1.299	1.275
.683 .900 .917 .933	1.652 .721 .813 1.428 2.158 2.346 3.735 4.183	-547.00 -552.80 -556.30 -558.40	5.76c 3.98c 2.22c 1.96c 3.4.c 5.20c 7.10c 9.00c	-397.3C -402.8C -413.0C -439.5C -534.5C -552.8C -556.3C -556.4C	-6.924	1.573 2.526	1.255 1.275 1.300 1.325 1.350 1.375
		-558.40 -560.00 -560.70		-56C-CC	-8.638 -9.565 -10.600	2.526 3.182 3.858	1.425
	5.679 5.677 6.225	-561.30 -561.40	11.28C 12.72C 13.64C 15.00E	-56C.CC -56C.7C -561.3C -561.4C	-10.600 -11.899 -12.746 -13.966	4.496 4.969 5.473	1.450 1.475 1.487
Washington .							

TABLE 3.2 (CONTINUED)

	LISTAIBUT	ION OF CLARENT	AND CHARGE	ON PONOPOLE AN	TENNA OVER F	RESP MATER	
	ALFAL/BETA	0911	BETAL/B	ETAC . 1.052	HILAM	CAO . 1.000	
	FREQUEN	CY . 300.00MHZ	PE	· .ce7	DILAPCAD	.0200	
		A. MEAS	URED CURREN	T CISTRIBLTION	IN MAZVELT		
	SA. DA	74	NORPAL	IZEC CATA			
2/-	16"43	IRFAZ	INPAG	INFAZ	INPEAL	INIMAG	Z/LAMDO
	•			35.00	2.418	1.973	.003
.003	700	150.00	3.440	21.50	2.680	1.056	.025
.)25	5 - 561	136.50	2.88C	21.50	2.552	.199	+050
50	5.291	119.40	5.600	-15.20	2.393	**650	+075
.075	5.0.7	99.80	2.480	-32.50	2-176	-1.386	+100
·100	5.250	82.50	2.580	-18.80	2.310	786	+125
.125	* . 965	96.20	2.4.0	•6C•9C	1.556	+2.796	+150
-15c	6.512	54.10	3.200	-7C-5C	1.125	-3.375	+175
•175	7.285	** • 5 C	3.58C	-78.CC	*815	-3-834	.200
.500	7.977	37 • CC	3.950		**26	-4-198	+225
.225	8.588	30.80	**55C	-64.50	•015	-+-+40	.250
.250	9 • 0 35	25.20	****	-85.80		-4.550	•275
.275	9.280	21.20	4.560	-93.8C	302	-4 557	•300
.300	9.301	17.20	4.60C	-97.80		-4-454	+325
.325	9.280	12.60	4.56C	-1C2.4C	279	-4.255	•350
·350	5.995	9.30	4.420	-105.70	-1-196	-3.900	+375
.375	8 . + 25	5.40	4.1.C	-1C9.6C	-1-389	-3.409	**00
	7.570	1.40	3.720	-113.6C	-1-489	-2.631	.425
25	0.512	-2.80	3.200	-117.8C	-1-955	-2.209	.450
.450	5.+5+	-9.50	2.680	-124.50	-1-518	-1.604	.475
.475	4.477	-18.20	5.500	-133.20	-1-506	*.875	•500
•500	3.378	-33.2C	1.66C	-1+8.2C	-1-911	174	-525
.525	2.605	-57.20	1.280	-172.20	-1-568	.531	-550
.550	2.483	-90.80	1.550	-205.80	-1.098	1.230	-575
.575	3.093	-119.00	1.520	-234.0C	833	1.882	•600
.600	4.070	-135.20	5.000	-560.50	**677	2.479	-625
.625	5.128	-144.60	2.520	-259.60	55	2.909	+650
+650	5.942	-15C.CC	5.920	-265.CC	522	3.440	-675
.675	7.000	-154.6C	3.440	-269.60	05*	3.816	•700
•700	7.774	-157.70	3.820	-272.70	-180	4.025	.725
.725	8.221	-16C.CC	*.O*C	-275.CC	.355	4.233	•750
.750	8.069	-161.5C	4.260	-276.50		4.296	.775
.775	8.132	-163.20	4.340	-278.20	*619		.800
.000	8.588	-164.3C	4.25C	-279.30	.485	4.165	-825
.825	5.262	-165.50	4.060	-28C -5C	• 740	3.992	-850
.850	7.611	-166.30	3.740	-281.3C	.233	3.667	-875
.875	0.960	-167-20	3.420	-282.20	.723	3.343	•900
.900	5.820	-167.60	2.860	-282.60	.654	2.791	
.925	**518	-168-10	2.220	-283-10	•503	5.165	.925
.950	3.378	-168.5C	1.660	-283.5C	.340	1.614	-950
.975	1.913	-169.00	.9+0	-284.CC	.554	.912	.975
.984	1.262	-169.40	.620	-284.40	•154	-601	-984

8. MEASURED CHARGE DISTRIBUTION IN PICCOUL/VOLT-P
RAM DATA NORMALIZED DATA

2/4	2R ⁴AG	GRFAZ	GNHAG	GNFAZ	GNREAL	CHIPAG	Z/LAMDAO
	(20) 102	•30	22.820	.30	22.820	.119	•006
.006	11.296		18.520	••••	18.475	-1-292	.025
.025	9.167	-4.00	17.680	-9-10	17.457	-2.796	.050
.050	8.752		17.060	-14.10	16.546	-4-156	.075
.075	8 . 4 4 5	-14-1C	16.460	-18.80	15.582	-5.304	•100
.100	8-1-8	-18.8C		-23.50	14.123	-6-141	.125
.125	7.623	-23.50	15.400	-29.10	12.355	+6.877	.150
.150	6.999	-29.1C	14.140	-35.00	10.952	-7.319	+175
.175	6.316	-35.CC	12.760	-42.40	8.212	-7-498	.200
.200	5.504	-42.40	11.120	-52.00	5.947	-7-612	.225
.225	4.782	-52.00	9.660		3.415	-7-323	.250
.250	**300	-65.00	8.080	-65.QC	.800	+6.813	.275
.275	3.396	-83.30	6.860	-83.30	-1.801	-6.079	.200
.300	3 - 135	-106.50	6.340	-106.50	-4-291	-5-224	.325
.325	3.346	-129.40	6.760	-129.40		-4-288	•350
•350	3.951	-147.50	7.980	-147.50	-6.730	+3.236	•375
.375	*****	-160-00	9.460	-16C . 00	-6.809	-2.061	00
00	5.346	-109.00	10.800	-169.CC	-10-602	980	.425
25	6.049	-175.40	15.550	-175.4C	-12-161	v070	+450
.450	6.603	-180-30	13.340	-180.30	-13.340	1.075	+475
. 475	7.098	-184.30	14.340	-184.3C	-14.300	1.949	-500
-500	7.296	-187-60	14.740	-187.6C	-14-611	2.748	-525
.525	7.395	-190-60	14.94C	-190-60	-14.685	3.338	-550
.550	7.346	-193.00	14.840	-193.0C	-14.460	3.870	-575
.575	6.950	-196.00	14.040	-196.00	-13.096	4.091	.600
.600	6.554	-198.00	13.240	-198.CC	-12.592	4.085	.625
.625	5.801	-200.40	11.720	-50C.40	-10.985		.650
.650	5. 94	-203.20	1C - 30C	-203.20	+9.467	4.058	1675
.675	4.297	-206.70	8.68C	-206.70	-7.759	3.900	•700
	3.346	-212.30	6.760	-212.30	-6.714	3.612	.725
.700	2.336	-222-10	4.720	-222.10	-3.502	3-164	-750
.725		-247.70	2.540	-247.70	* . 964	2.350	.775
.750	1.257	-307-20	2.1.0	-307.20	1.294	1.705	
.775	1.059		3-8-0	-344.00	3-691	1.058	.800
.800	1.901	-344.00	6.020	-357.20	6.013	.294	.825
.825	2.980		8.080	-362.80	8.070	395	.850
. 450	**: 00	-365-80	10.300	-366.00	10.244	-1-077	.875
. 675	5.09*	-366.00	11.720	-368.50	11.991	-1.732	•900
.900	5.801	-368.50	13.140	-370.00	12.940	-5.585	.925
.925	6.504	-37C.OC		-370.80	14.479	-2.762	.980
.950	7.296	-37C.80	14.740	-371.40	15.507	93-135	.975
.975	7 . 851	-371.40	15.860	-371.60	16.927	-3-475	.987
	8.55.	-371.60	17.280	-3/1.00			

TABLE 3.2 (CONTINUED)

	CISTAL	BUTION OF CURR	ENT AND CHARGE		ANTENNA OVER	FRESH MATER	
	ALFALIN	ETAL1285	BETAL	METAC . 1.143		**** - ***	
	1460	UENCY . 300.00	2	PEC67	DILAMENC	· .0100	
		A. DATA		AT CISTALEUTIC	N IN MAJVOLT		
2,-	16449	195.7		INFAZ	INPEAL		
	6.996 7.395 6.123 5.65 6.23 7.253 6.337	160-00 152-69 132-90 108-20 83-60 52-50 -3-60 37-10 32-60 28-80	3.020	+5.00	Zezoi	INIMAG	Z/LAMDO
190 190	7.395	152.60	3.92c 3.14c 2.60c 2.38c 2.56c 3.08c 3.500 4.16c	45.00 37.60 17.90 -6.80	2.701 2.988 2.474 2.363	2.701 1.916 .799 282	.025
• £ 00	6. 29	100.20	2.340	-6.8C	2 - 363	282	.050 .075
.250	7.253 6.337	52.50	3-0-0	-51-00	1 - 936	-1.334	·100
• 900	9.797	37.10	*-160	-31.4C -51.60 -62.5C -71.60 -77.90	1.313	-3.947	175
-500	13.293	32.00	5.52C 5.52C 5.64C	-83.00 -86.20 -86.80 -90.80	2 · 363 2 · 185 1 · 938 1 · 635 1 · 313 • 977 • 636 • 118 • • 078	-4.556 -5.181 -5.508	.225
• • • • • • • • • • • • • • • • • • • •	13.242	54.50	5.640	-88.80	-118	-5.639	.275
.700	12.764	22.40	5.420	-92.60 -94.00 -95.80	246	75.414	-325
000	10.786 9. 43 6.971	18.60	3.8.0	-95.8C	*****	-4.557	*375
900	5.229	17.30	5.390	•97.CC		-2.938	*425
.968	1.978	17.30 16.00 215.00	3.8.C 2.96C 2.22C 1.26C	-96.40 -97.00 -97.70 -99.00 100.00	197	-2.200 -1.244 .827	**50 **75
		8. FEA	SURED CHARGE C	LISTRIBUTION IN	Piccoulivelt	ir .	
	RA-	DATA	NORPA	LIZEC CATA			
·012	GRMAG	GRFAZ	GNMAG	GNFAZ	GNREAL	GNIPAG	
-050	1 - 284 12 - 236 11 - 388 31 - 62 11 - 189 10 - 292 5 - 245 8 - 197 6 - 696 5 - 141 3 - 02 2 - 205	2.80 -1.60 -6.00 -10.00 -14.40 -17.80 -21.60	26.*6C 22.66C 22.20C 21.56C 20.72C 19.06C 17.12C 15.18C 12.*6C 9.52C 6.30C 5.12C 7.58C	2.80 -1.60 -1.60 -1.60	26.028 22.451 21.222 20.009 18.198 13.597 10.516 7.239 3.514 -0.78 -1.107 -1.107 -1.107 -1.107 -1.107	1.293 633 -2.321 -3.744 -5.153	.006
•100 •150 •200	11.642	-10-00	21.560	-10.00	22.074	-2-321	•025 •050 •075
-250	10.292	-17-80	19-060	-14.40 -17.80 -21.60	20.069	-5.153 -5.827 -6.302	-100 -125 -150
-350	8-197	-26.40	17.12C	-21.60 -26.40	15.918	-6.302	.175
50	5.141	-26.4C -32.00 -40.50 -56.10	9.520	-32.CC	7.239	-6.571 -6.183 -5.229	.200
•550	209	-91.00 -135.20	2.96C	-26.40 -32.00 -40.50 -56.10 -91.00 -135.20	3.514	-5.229 -4.459 -3.608	·200 ·225 ·250 ·275 ·300
·650	*****	-161.00 -172.60	7.58C 1C.6+C 13.88C	-135.20 -161.00 -172.60	-7.167	-3.608	•300
.750	7.455	-179.00	13-880	-172.60 -179.00 -182.60	-13.878	-2.468 -1.370 242 -713	·325 ·350 ·375
.850 .900	9.590	-185.CO -187.CO	17.76C	-185.00	-17.692	1.548	.400
.950 .974	11.394	-188.CO	17.76C 19.88C 21.10C 22.76C	-185.00 -187.00 -188.00 -188.00	-17.692 -19.732 -20.895 -22.538	1.548 2.423 2.937 3.168	• 450 • 475
	OISTRIBU ALFAL/BET FREGUE	AL • .0911 NCY • 300.00HH	BETAL/B	6N P6N6P6LE A ETAC = 1.052 = .C67	H/LAM	REBH WATER	
		A. PE	ASURED CURREN	T CISTRIBLTION	IN MAZVOLT	0200	
	PA- 0	ATA	NORMAL	IZEC CATA			
2/4	IRMAS	IRFAZ	INMAG	INFAZ	INREAL	INIMAG	Z/LAMDO
•906 •950	3.696 2.745 2.464	169.50 146.50 114.00 83.60 63.90 53.50	2.100 1.560 1.400 1.700 2.220	21.50 -11.00	1-998 1-951 1-951 1-975 1-975 1-975 -729 -532 -337 -1043 119 198	1.472 .572 .267 -1.184 -1.944 -2.674 -3.157 -3.783	-003 -025
100 150	2.464	114.00	1.400	-11.00	1.379	267	•025 •050
•150 •200 •250	3.907	63.90	5.550	-41.40 -61.10 -71.50 -77.00	1.073	-1.944	.050 .075 .100
•300 •350	5.732	\$3.50 48.00 43.00	3.820	-77.00	-729	-2.674	·125
••••	7.568		4.30C 4.64C 4.78C	-85.50	-337	-3.783 -4.287 -4.638	•175 •200
-500	4-10-1	36.80 34.60 33.60	4.78C	-90.40	033	-4.780	.250
.650	6.096	32.60	4.880 4.740 4.600	-92.40	**198	736	300
•700 •750	5.462	30.50	**5*C	-94 50	333	-4-227	.350
.500	5.878	29.50 29.30 28.90 28.60	3.340	-95.70	**332	-3-862	**00
•900 •950	3.309 1.901 1.267	28.40	3-3-0 2-5-0 1-5-0 1-6-0 1-720	-95.70 -96.10 -96.40 -96.60	**332 **272 **210 **124 **083	-2.546 -1.868 -1.073 715	• • • • • • • • • • • • • • • • • • •
.768	1.267	28.40	.720	-96.60	083	715	
	QA- DA	8. MEASUR	ED CHARGE CIS	TRÍBÚZION IN P	iccoul/velta		
2/4	GRMAG	GRFAZ	GNHAG	GNFAZ	ONREAL	GNÍMAG	Z/LAMDAO
•012 •050	10-305 8-004 7-351 6-904 6-508	-CC -2.00 -4.40 -7.80	23.000 18.400 16.900 15.880 14.960 13.060 13.060 19.900 7.600 5.300	-2.00 -4.40 -7.80 -9.40	23.000 18.389 16.850 15.733 14.759 12.775	.000	.004
•100	7.351		16.900	-4.40	16.850	20002	.050
-200	6.508	-9.40	14.960	-7.80	14.759	-2-155 -2-4-3 -2-715	·075
•300 •350	5.002	-14.60	11-500	712.00 714.60	11.129	-2.715	.150
• • 00	3.306	-23.30	7.600	-23.3C	6.980	-3-006	.175
•500 •550	1.305	-56.00 -113.10	3.000	-56-00	1.676	-2.487	. 250
•600 •650	1.818	-153.00	4.18C	-153-00	-3.724	-1.898	· 275
•7c0	3.854	-167.30 -173.00	3.860	-173.00	-8.794	-1.080	.350
.800	5.603	-179.20	12.88C	-177.20 -179.20	-12.879	180	.375
·900	7.108	-180.80 -181.80 -182.40 -182.60	14.380 16.340	-18C-80 -181-80 -182-40 -182-60	-14.379 -16.332 -17.585 -19.180	·201 ·513	++25
.974	8.352	-182.60	19.200	-182.60	-19.180	.871	:275

TABLE 3.2 (CONTINUED)

	ALFAL/HETAL0460			ETAC . 1.018		PCAC . 1.500	
	FREQUE	NCY . 300.00HHZ		7			
		A. MEAS		T DISTRIBLTION			
	944 0			IZEC CATA	14 147,0001		
/-	INTAG	IRFAL	INMAG	INFAZ	INFEAL	*******	
						INIMAG	Z/LAMD
017	3.451	155.2C 134.70	1.720	15.70	1.650	1.394	.003
33	2.9.8	100.70	1.500	-6.30	1.551	171	•050
50	3.175	85.80	1.680	-53.50	1 * * 67	820	.075
67	1.704	57.20	1.960	-57.80	1.094	-1-659	-100
120	5.1.1	50.50	2.720	-60.50	1-152	-2.037	·125
117	5.697	39.10	3.150	-75.90	•760	-3.026	-175
33	0. ***	34.10 29.70	3.420	.80.90	-591	,3.377	.200
150	7.031	29.70	3.720	-85.30	•305	-3.707	.225
67	7.182	26.60	3.80C	-88.40	.106	-3.799	.250
200	7.295	22.10	3.920	-92.90	198	-3.915	·275
217	7.106	17.20	3.760	-97.80	510	-3.846	-325
233	6.804	14.20	3.000	-1CC+8C	675	-3-536	•350
250	6.275	10.80	3.320	-1C4.2C		-3-219	.375
267	5.708	6.60	3.050	-108.20	943	-2.869	.+00
283	***52	1.90	2.620	-113-10	-1-028	-2.410	.425
317	3.213	-1*.60	1.700	-119.50 -129.60	-1-073	-1.897	. 450
333	2.495	-32.10	1.320	-147.10	-1-100	-1.717	-500
350	1.928	-59.60	1.020	-174-60	-1-015	096	.525
367	2.079	-93.1C	1-100	-208.10	970	.518	-550
383	2.608	-116.4C -130.70	1.380	-231.40		1.078	•575
17	**271	-139.00	2.260	-245.7C	***799	2.172	-600
•33	5.027	-144.20	2.660	-259.20		2.613	-650
-5c	5.708	-148.3C	3.050	-263.3C	352	2.999	+675
67	6.350	-150.90	3.360	-265.90	240	3.351	•700
500	0.491	-153.90 -156.00	3.540	-268.9C	068	3.539	•725 •750
517	7.031	-158.00	3.720	-273.00	·064	3.715	•775
533	0.317	-16C.CO	3.660	-275.QC	-312	3.646	.800
550	6.653	-161.7C	3.520	-276.7C	*****	3.496	.825
567	0.313	-163.50	3.340	-278.50	***	3.303	.850
583	5.746	-165.5C	3.040	-28C.EC	.55+	2.592	.875
617	**196	-171.00	2.220	-286.00	-528	2.134	.925
633	3.213	-176.30	1.700	-291.30	*618	1.584	.950
650	2.361	-183.30	1.260	-298.30	-597	1.109	.975
667	1.399	-203.50	.7+C	-318.50	.554	.490	1.000
683	.983	-251.50	.52C	-366.50	+517	059	1.025
700	2.419	-299.50 -317.20	.78C	-414.5C -432.2C	*453	-1.219	1.050
733	3.990	-325.30	1.820	-++C.3C	•307	11.794	1.100
750	4.309	-329.30	2.280	-444.30	.556	*2.269	1.125
783	5.745	-334.00	3.040	-445.00	•053	+3.040	1 - 175
100	6.313	-335.40	3.340	-+5C.+C	**053	+3.340	1.200
517	6.442	-336.70	3.620	-451.7c	107	-3.618	1.225
33	7-069	-337.20 -338.00	3.74C	-452.20	7:144	+3.737	1 - 250
67	6.917	-338.50	3.660	-453.CC	196	•3.735 •3.653	1 - 275
883	6 - 653	-339.20	3.520	-454.20	258	-3.511	1 - 32
900	0.12.	-339.5c	3.240	-454.5C	7.254	+3.230	1 - 350
917	5.594	-340.00	2.960	-455.0C	*** 258	-2.949	1 - 37
933	• • 725	-3*0.00	2.500	-455.0C	578	-2.490	1.400
95 ₀	3.7.4	-34C.40	1.96C	-455.2C	178	-1.952	1.425
983	1.625	-340.30	-860	-455.4C	079	-1.473	1 • 475
989	196	-340.40	•58c	-455.4C	**055	577	1 . 484

		B. MEAS	RED CHARGE D	STRIBLTION IN	PICCOUL/VOLT.	•	
	PA- D	ATA	NORMAL	IZEC CATA			
2/4	GRMAG	GRFAZ	CHEAG	GNFAZ	GNREAL	GNIMAG	Z/LAMDAO
.004	10.017	•00	22.260	•00	22.260	•000	•006
-017	7.506	-2.50 -6.00	16.68C	-2.50	16.664	-1-534	•025
·033	6.210	-9.20	13.800	-6.00	13.622	-2.206	•050 •075
.067	5.760	-12.70	12.800	-12.70	12.487	-2.814	•100
·D83	5.211	-17-10	11.580	-17-10	11.068	-3-405	-125
.100	**626	-21.70	10.280	+21.70	9.551	-3-801	•150
.117	**059	-27.90	9.020	-27.90	7.972	-4-221	•175
.133	3.384	-35.40	7.520	-35.90	6.130	-4.356	.500
•150 •167	2.772	-47.70	6-16C	-47.70	4.146	-4.556	.255
.183	2.223	-64-10	*.94C	-64-10	2-158	-4.300	.275
.200	2.52	-116.50	4.560	-116.50	-2.035	-4.081	•300
.217	2.502	-137.6C	5.560	-137.60	-4-106	-3.749	.325
.233	3 - 105	-150-30	6.900	-150-30	-5.994	+3.419	.350
.250	3.789	-159.60	8.420	-159.60	-7.492	-2.935	•375
.267	***10	-165.70	9.800	-165.70	-9.496	-2.421	• • • 00
.300	5.310	-170-60	10.86C 11.80C	-170.60 -174.40	-10.714	*1.774 -1.151	.+25
	5.607	-177.60	12.060	-177.60	-12.449	-,522	75
:317	5.661	-180.20	12.580	-180.20	-12.580	.044	.500
.350	5.751	-182.80	12.780	-182.80	-12.765	.624	+525
.367	5.088	-185.80	12.640	-185.8C	-12.575	1.277	.550
.383	5.490	-187.70	12.200	-187.7C	-12-090	1 . 635	-575
.+00	5.130	-190.20	11.400	-190.20	-11.250	2.019	•600
.+17	4.608	-193.00	10-2-0	-193.00	+9.978	2.303	.625
50	3.38*	-196.60	8.92C 7.52C	-196.6C -2C1.0C	-7-021	2.695	·650 ·675
. 467	2.682	-207.70	5.960	-207.70	-5-277	2.770	.700
.+83	1.908	-219.5c	4.240	-219.50	+3.272	2.697	.725
.500	1.323	-242.70	2.940	-242.7C	-1.348	2.613	•750
.517	1.152	-286.40	2.560	-286.40	.723	2.456	.775
.533	1.539	-319.90	3.420	-319.90	2.616	2.203	.800
.550	2.214	-336.70 -345.60	4.920	-336.70 -345.60	6.359	1,631	.850
.567	2.952	-350.80	8.020	-35C-8C	7.917	1.585	.875
	**158	-354.50	9.246	-354.50	9.197	.886	.900
.617	**689	-357.10	10.420	-357-10	10.007	.527	.925
.633	5.058	-359.20	11.240	-359.20	11.239	•157	.950
.650	5 - 355	-360.70	11.900	-36C . 7C	11.499	145	.975
.667	5.454	-362.10	15.150	-362.10	15.115	7.444	1.000
.683	5.589	-363.50	15.450	-363.50 -365.00	12.327	+1.056	1.050
.700	5.454	-365.00 -366.30	12.150	-366.30	11.391	-1-258	1.075
.733	4.806	-367.20	10.680	-367.20	10.596	-1 -339	1.100
.750	4.158	-368.60	9.240	-368.60	9.136	-1.382	1.125
.767	3.609	-369.80	8.020	-369.80	7.903	-1.365	1-150
.783	3.024	-372.00	6.720	-372.00	6.573	-1.397	1-175
.800	2.223	-375.50	4.940	-375.5C	4.760	-1-320	1.500
.817	1.404	-382.30	3.150	-382.30	2.887	-1-184	1.250
.833	.558	-409.60	1.240	-909.60	-1-161	783	1.275
.850 .867	.630 1.485	-529.50	3.300	-529.50	-3.245	***01	1.300
.883	2.349	-536.00	5.250	-536.00	-5-207	364	1.325
.900	3.186	-538.80	7.080	-538.80	+7.078	148	1.350
.917	**005	-540.50	8.900	-54C.50	-8.900	.078	1.375
.933	4.554	-541.60	10.150	-541.60	-10-116	.583	1.400
.950	5 - 157	-542.50	11.460	-5+2.50	-11-9-9	-500 -681	1.425
.967	5.859	-543.00	13.050	-543.00 -543.50	-13.002	.849	1.475
.983	7.155	-543.50 -543.70	15.900	-543.50 -543.70	-15.867	1.026	1.487

TABLE 3.2 (CONTINUED)

	ALFAL/ET	ALC460	BETAL/B	ETAC . 1.018	HILA	CAO . 1.000	
	FAE .LE	NCY . 300.00M-Z	FE	· -ce7	DILAPDAO	.0500	
		A. MEAS	URED CLEREN	T CISTRIBLTION	IN MAZVOLT		
	RA- D	A14	MORPAL	IZEC CATA			
214	INTAG	IRFAZ	INFAG	INFAZ	INREAL	INIMAG	Z/LAMD
03	3.400	163.10	1.700	+8.10	1-135	1.265	•003
. 25	6.30	139.00	1.180	24.00	1.078	.480	.003
• 50	2.16	101.10	1.040	-13.90	1.008	259	•050
. 75	2.24	72.20	1.320	**2 · AC	.969	497	•050
•100	3. **;	54.7C	1.720	-60.30	*452	-1.494	-100
.125	***00	45.00	2.200	-7C -CC	.752	-2.067	-125
•150	5.243	39.00	2.620	-76.CC	*634	-2.542	-150
.175	6.080	34.40	3.0.0	-80.60	• • • • 7	-2.999	
.500	0.720	31.00	3.360	-84.00	•351	-3.342	-175
.552	7.200	28.50	3.600	.86.50	-550	,3.593	.500
.250	7.523	26.30	3.76C	-88.70	-085	-3.759	.225
.275	7.590	24.10	3.820	-9C -9C	060	-3.820	.250
.300	7.530	22.20	3.800	-92.80	**186	-3.795	-275
.525	7.325	20.40	3.660	-94.60			.300
•350	0.927	18.60	3.460	-96.20	534	-3-648	.325
.375	6.320	16.90	3-160	-98-10	374	-3-440	.350
.400	5.520	14.30	2.760	-10C.7C	7.025	-3-128	.375
25	4.643	11.40	2.320	-103.60			• • • • •
.450	3.001	7.10	1.820	-107.90	546	.255	.425
. 475	2.640	•••0	1.320	-115.80	575	21 32	.450
.500	1.600	-19.40	.800	-134.40	**560	**572	• • 75
.525	1.000	-68.20	.520	-183.20	519	• • • • • • • • • • • • • • • • • • • •	•500
.550	1.560	-116.50	• 78C	-231.50			.525
.575	2.600	-135.90	1.30C	-250.90	*****	-610	•550
.600	3.640	-144.00	1.820	-259.00		1.228	•575
.625	4.520	-147.70	2.260	-262.70	347	1.787	•600
.657	5.361	-15C-30	2.680	-265.30	287	5.545	-625
.675	0.200	-152.30	3.100	-267.30	550	2.671	+650
.700	0.800	-153.70	3.420	-268.70	**196	3.097	-675
.725	7.240	-154.80	3.620	-265.80	078	3.419	•700
.750	7.600	-155.50	3.800	-270.50	013	3.620	.725
.775	7.000	-156.40	3.820		.633	3.800	.750
.600	700	-156.70	3.700	-271-90	-033	3.819	•775
.625	7.120	-157.40	3.560	-271.70	.110	3.698	-800
. 550	0.000	-157.80	3.300	-272.40	-149	3.557	.825
75	0.000	-158.30		-272.80	-161	3.296	.850
.900	5.000	-158.90 -158.40	3.000	-273.30	*173	2.995	.875
.925	******		2.500	-273.40	-198	2.496	.900
.950	*****	-158.5C	5.000	-273.50	.155	1.996	.925
.975	1.760	-158.80	1.520	-273.80	*101	1.517	.950
.98.		-158.8C	.88C	-273.8C	.058	.878	•975
	1.160	-158.8C	•58C	-273.80	.038	.579	.984

8. PEASURED CHARGE DISTRIBUTION IN PICCOULTYBUTH BAL CATA NORPHILIZED CATA

2/4	SR"AG	GRFAZ	GNMAG	GNFAZ	GNREAL	CNIMAG	Z/LAMDAO
.006	9.997	.00	21.500	•00	21.500	.000	
. 25	7.496	-1.60	16.120	-1.6C		***50	.006
•35c	0.649	-3.90	14.30C	-3.90	16.119	973	.025
.075	0.147	-6.30	13.220	-6.30	14.267		•050
.100	5.645	-8.80	12.1.0	-8.80	13.140	-1 - 451	•075
.125	5.079	-11.50			11.997	-1 -857	•100
.150	***17	-15.CC	10.920	-11.50 -15.00	10.701	-2-177	.125
.175	3.748	-19-20	9.50C		9.176	-2.459	•150
.200	3.022		8.06C	-19.20	7.612	-2-651	-175
.225	2.213	-25.90	6.50C	-25.9C	5.847	-2-839	.500
.250	1.525	-36.20	4.76C	-36.20	3.891	-2.811	.225
.275		-57.30	3.280	-57.30	1.772	-2.760	.250
	1.274	-97.00	2.740	-57.CC	***334	-2.720	.275
.300	1 . 6 . 6	-133.90	3.5+C	-133.90	-2.455	-2.551	•300
.325	2.353	-152.50	5.060	-152.50	*****	-2.336	•325
•350 •375	3.143	-162.00	6.76C	-162.CO	16.129	+2.089	•350
	3.897	-168.00	8.38C	-168.CC	-8.197	-1.742	•375
	**501	-171.80	9.680	-171.80	-9.581	-1-381	• • • • •
.425	5 - 96	-174.5C	10.960	-174.5C	-10.910	-1-050	.425
++50	5.496	-176.7c	11.820	-176.7C	-11.800	680	.450
. 475	5.850	-178.50	12.58C	-178.5C	-12.576	**329	+475
.500	5.980	-179.80	12.860	-175.80	-12.860	**045	.500
.525	6 - 101	-181-30	13.120	-181.30	-13.117	.298	+525
.550	5.952	-182.50	12.800	-182.50	-12.784	+558	.550
.575	5.436	-184.30	11.820	-184.30	-11.787	.886	-575
•600	5.227	-184-80	11.2.0	-184.80	-11.201	.941	•600
.625	4.501	-186.50	9.680	-186.5C	-9-618	1.096	.625
.65c	3.952	-188.CC	8.500	-188.00	-8.417	1-183	+650
.675	3.246	-190.00	6.980	-190.00	-6.874	1.212	.675
.700	2.418	-193-10	5.200	-193-10	-5-065	1.179	•700
.725	1.525	-200.20	3.280	-200.20	-3.078	1.133	-725
•75n	.614	-228.50	1.320	-228.50	875	.989	
.775	.679	-323.20	1.460	-323.20	1.169	.875	•750 •775
.800	1.562	-347.20	3.360	-347.20	3.277	.744	
.825	2.502	-354.00	5.380	-354.CC	5.351	.542	·800
.850	3.376	-357.00	7.260	-357.00		.380	
.875	4.297	-358.80	9.240	-358.8C	7.250	-194	.850
.900	4.545	-359.80	10.450	-359.80	9.238		.875
.925	5.496	-360-60	11.820	-36C-60	10.420	-036	•900
.950	6.296	-361.30	13.500	-361.30	11.819		.925
.975					13.537	307	.950
.987	6.901	-361-70	14.840	-361.70	14.833	0	.975
	7.6.5	-361.9c	16.440	-361.9C	16.431	545	.987

TABLE 3.2 (CONTINUED)

	CISTATE	TION OF CURRE				RESH MATER	
		TAL C28C		ETAC . 1.016	-/ -	CAO - 1-500	
	, 46 .06			C.7		• .1000	
	9A.	ATA		IZED CATA	14 11-74021		
2/-	16.42	IRFAZ		INFAZ	INPEAL	INIMAG	Z/LAMDO
• (2 • 17 • 33	3+551 7+394 1+795 2+, 35 2+793	172.60 152.80 118.30 80.50 58.60	1.70C 1.20C .90C 1.02C	87.40 27.80 3.20 -34.60	*954 *948 *899 *891 *775 *427 *675	1.503 .735 .052 578	.003
• 650 • 67	2.795	118.30	1.020	-34.80	-892	578	-025 -050 -075
. 83	3.591 4.429 5.187	47.10 4C.CO 35.2C	1.800	-80.40	• 776	-1.166	·100
•100 •117 •133	5.704	35.20	2.600	-79.80	****	-1-166 -1-668 -2-144 -2-559 -2-857	*125 *150 *175
•15c	0.30	32.20 29.50 27.50	3-160	-85.80 -87.80	:898	73.150 -3.277	-200 -225 -250
•183 •200	6.703	23.50	3.360	-91.60	089	-3.360 -3.319 -3.255 -3.108	·275
·217 ·233 ·250 ·267	6.5C4 6.224 5.746 5.187	27.50 25.50 21.80 20.00 18.10 15.60	2.22C 2.60C 2.68C 3.16C 3.28C 3.32C 3.28C 3.12C 2.60C 2.60C 2.60C	-67.9C -78.9C -79.8C -82.8C -85.9C -87.8C -87.8C -91.5C -91.5C -93.2C -96.9C		-3-108	-325 -360
.283	5.187	15.60 12.60 8.90	2.600 2.22C 1.76C	-102.40	*****	-2.459 -2.545 -2.148	- 375 - 400
•300 •317 •333	3.511 2.633 1.756	1.90	1.32C -88C	-113.10	- 460 - 461 - 461 - 612 - 612 - 612 - 612 - 612 - 727 - 727	72.168 -1.691 -1.214 700	450 475
•350 •367	1-177	-12.30 -47.30 -101.70	-540 -600 -980	-162.30 -216.70		144 -359 875	-500 -525 -550 -575
.383 .400 .417 .433	2.633	-128.20 -138.80	1.420	-162.30 -216.70 -243.20 -253.80 -259.40 -263.00		1.264	-575 -600 -625
.433	3.671 4.509 5.187		1.42C 2.26C 2.6C	-263.00	275	1.264 1.805 2.243 2.592	·650
••50 ••67 ••83	5.187 5.746 6.164 6.424	-152.30 -153.80	3.100 3.220	-265.5C -267.3C -268.6C -27C.2C	20- 136 065 -011	2.877	•650 •675 •700 •725 •750
•500 •517 •533	6.583	-155.20 -156.50 -157.50	3.300	-27C.2C -271.50		3.220	•750 •775
•550 •567	6.504 6.304 5.345	-158.80	3.26C 3.16C 2.98C	-272.80 -273.80	-142 -209	3.257 3.257 3.153 2.969	•775 •800 •825 •850 •875
.583 .600	5.466	-161.20 -163.00	2.740	-276.2C -278.0C	-296	2.724	·875
.633	3.072	-165.00 -168.20 -173.70	2.02C 1.5.C	-27C.2C -271.5C -272.5C -273.8C -275.0C -276.2C -278.0C -283.2C -283.2C	- 192 - 209 - 260 - 296 - 323 - 351 - 352 - 365	1.989	·925 ·950 ·975
.650 .667 .683	2.274	-173.70 -188.50 -234.00	1.1.C .6.C .3.C	-288.70 -303.50 -349.00		1.080 .534 .065	1.000 1.025
.700 .717 .733	.678 1.677 1.995 3.032	-299.00 -318.00 -325.20			*334 *317 *892	437 956 -1.498	1.050 1.075 1.100
.733 .750 .767		-228-20	1.00C 1.52C 1.94C 2.26C 2.64C 2.92C 3.16C	-440.20	•255 •255 •226 •177	-1.927	1.125
.783	5.267 5.825	-33C.50 -332.CC -333.CO -333.70 -334.50	2.640	-++3.3c -++5.5c -++7.0c -++8.cc	•177 •138 •102	-2.253 -2.636	1 · 125 1 · 150 1 · 175 1 · 200
.817 .833	6.623	-333.70 -334.50	3.320	-449-50	•072	-2.636 -2.918 -3.159 -3.320 -3.340 -3.260	1.225
.850 .867 .883	6.50+	-335.10 -335.50 -335.60	3.34C 3.26C 3.16C	-45C-1C -45C-5C -45C-6C	006	-3.340	1.275
.900 .917	6.50+ 6.30+ 5.865 5.387	-336.50 -336.60	2.940	-451.50 -451.60	033 077	-3.160 -2.939 -2.699	1.325 1.350 1.375
•933 •950	3.631	-336.80	2.245	-461 40	075 071 05+	-2.259 -1.819	1.400
.967 .983 .989	2.793 1.636 1.117	-336.70 -337.00 -337.00	1.82C 1.40C .82C .56C	-451.70 -451.70 -452.00 -452.00	055	-1.399	1.475
						560	1-484
	9A- D		NUMPAL	STRIBLTION IN	PICCOUL/VOLT-		
2,4	GREAG	GRFAZ	GNMAG	GAFAZ	GAREAL	CNIMAG	Z/LAMDAO
•004 •017 •033	9.997 7.375 6.398	-3.cc -4.4c -6.1c -8.2c -1C.10 -12.6c -15.4c	21-50C 15-86C 13-76C 12-58C 11-44C 10-14C 8-92C	-3.00 -4.90 -6.10	21.971 15.813 13.682 12.951 11.263	-1.125 -1.217 -1.462 -1.794 -2.006 -2.212	-006
•050 •067	5.850 5.320	-8.20	13.76C 12.58C	-8.20 -10.10	12.451	-1.462	-006 -025 -050 -075 -100
•083 •100	4.715 4.148 3.497	-12.60 -15.40	11.44C 1C-14C 8-92C 7-52C 6-04C 4-56C 3-12C	-12-60	9.896	-2.212	·125
·117	3.497 2.839 2.120		7.52C	-15.40 -19.70 -25.10	7.080 5.470 3.740	-2.369 -2.535 -2.562	·175
•150 •167 •183		-34.90 -51.60 -87.80 -128.50	3.120 2.340	-34.90 -51.60 -87.80 -128.50	1.938	-2.609 -2.445 -2.338	• 225 • 250 • 275
·200	1.085 1.302 1.888	-128.50 -151.20		-128.50 -151.20	-1.743 -3.558	-2-191	•300 •325
.233 .250 .267	2.585 3.301 3.697	-128.50 -151.20 -161.90 -168.00 -172.20 -175.30 -177.60	5.560 7.100	-151.20 -161.90 -168.00 -172.20	-5.285 -6.945 -8.302	-1.956 -1.727 -1.476 -1.137	• 350 • 375 • • • • • • •
.283	4.399	-175.30 -177.60 -179.60	9.46C 10.32C	-175.3C	-9.428 -10.311	-1-137 775 432 077	.425
•300 •317 •333	4.799 5.152 5.199	-179.60 -181.20 -182.80	11.08C 11.18C 11.40C	-172.20 -175.30 -177.60 -179.60 -181.20 -182.80	-11-178	077 -234 -557	• 475 • 500
•350 •367 •363	5.301 5.217 5.250	-182.80 -184.10 -185.50	11.550	-182.80 -184.10 -185.50	-11-191	.802	•525 •550 •575
**00	**752 **278	-187.CO	10.86C 10.22C	-187.00	-10-810 -10-10-6 -9-087 -7-912	1 • 0 • 1 1 • 2 • 5 1 • • 4 3 9	·600
••33 ••50	3.749	-191.00 -193.80	6.78C	-191.CO -193.8C	-7.912 -6.583	1.538	·650 ·675
••67 ••83 •500	1.683	-197.70 -205.90	3.620	-197.7C -2C5.9C	-6.584 -5.011 -3.256 -1.509	1.581	•700 •725
•517 •533	.660 1-097	-224.60 -281.60 -328.00	2.12C	-224.60 -281.60 -328.00 -344.00	2.001 3.730	1.489 1.391 1.251 1.069	•750 •775 •800
•55c •567 •583	2.549 3.199	-328.CQ -344.CQ -35C.8Q -354.6Q	3.88C 5.480 6.88C	-344.00 -350.80 -354.60	3.730 5.410	1.069 .876 .647	.850 .875
		-357.20	8.060	-357.20	8.050	.394	.900
.617 .633 .650	3.748 4.204 4.603 4.901 5.050 5.096 5.150 4.780 4.445	-359.00 -360.40 -361.50 -362.50 -363.20 -364.00	9.04C 9.90C 10.54C 10.86C 10.96C	-367.20 -359.00 -360.40 -361.50 -362.50 -363.20 -364.00	9.900	.394 -1058 -0276 -276 -474 -758 -910 -977 -1002 -1013 -523 -523 -523 -523 -523 -523 -523 -52	.921 .950 .975
.667 .683 .700	5.050	-362.50 -363.20	10.86C 10.96C	-362.50 -363.20	10.450	474	1.000 1.025 1.050
•700 •717 •733	• .783	-364.CC	10.860	-364.80 -365.50	10.034	758 860	1.050 1.075 1.100
.750	3.952	-366.60 -368.00	8.50C 7.20C	-366.6C	7.130	-1-002	1.125
.783 .8co .817	2.855	-369.5c -371.5c	6.14C	-366.6C -368.0C -369.5C -371.50	4.544	-1-013	1.175
.817 .833 .850	1.404 .539	-376.40 -392.50	3.02C	-376.4C -392.50 -507.00	-978	623	1.225 1.250 1.275
.867	1.228	-531-6C	2.640	-531-60 -537-40	-2.612	386	1.300
•900	3.701	-5.C.CC -5.1.5C	6.18C 7.960	-531-60 -537-40 -540-00 -541-50	-6.180 -7.957	.000	1.300 1.325 1.350 1.375
.933 .950 .967	1.000 2.000 2.070 3.701 4.204 4.845 5.599	-542.50 -543.20	9-040 9-90C 10-54C 10-86C 10-86C 10-28C 10-28C 10-28C 4-20C 4-40C 1-16C 2-44C 4-40C 4-18C 9-04C 12-04C 12-04C 12-04C	-542.50 -543.20	-10-404	.394 .582 .798	1.400 1.425 1.450 1.475
.967 .983 .991	5.599 6.250 7.049	-36c.+6 -361.5c -362.5c -363.2c -364.cc -364.6c -364.cc -364.cc -364.cc -364.cc -371.5c -371.5c -372.4c -371.6c -372.4c -37	9.0°C 10.42C 12.0°C 13.4°C	-542.50 -543.20 -543.80 -544.60	-9.031 -10.404 -12.014 -13.400	1.031	1.450 1.475 1.487
					10000000		-

TABLE 3.2 (CONTINUED)

	ALFAL/ET	ALC28C	BETAL	ETAC . 1.016	PILAP	CAO . 1.000	
	FREELE	NCY . 300.00M	-2 -1	• -c67	D/LAMDÃO		
	SA- C		NORPAL	IZEC CATA			
211	Ih/A3	IPFAZ	INPAG	INFAZ	INFEAL	INIMAG	Z/LAMDO
::03	3.25. 1.94. 1.377 1.94. 2.75.	177.00 155.80 111.10 68.60	1.62C -96C -96C 1.36C 1.86C	42.00 40.80	• 261 • 727 • 678 • 662	1.430	.003
50	1.377	155.60	.960	*C - 8C	•727	1.430 .627 046 695	
• 100	1.7.	68.60	.940	-3.90 -46.40	.445	695	.050 .075
.125		49.70 40.50 36.30	1.440	-74.BC	.568	-1.236	·100
•150 •175	5.265 5.632			-78.70 -82.10 -84.50	*435	-2.575	-125 -150 -175 -200
.200	6.399	28.70 27.20	2.860	-84.50	.574	-2.867	.200
·250	0.0.2	27.20	3.240	-86.30	-902 -957 -274 -204 -126 -047 -025 -101	-3-153	·225 ·250 ·275
•300	6.76.	25.80	3.3.0	-89.20 -90.40 -91.80 -92.90	036	-3.340	• 300
.350	6.136	23.20	3.220	-91.8c	101	-3.218	·325
•375	5.389	20.80	2.760	-94-20	505	-2.753	• 375
25	******	17.50	5.050	-97.50	264	-2-003	.400
75	2.308	19.40 17.50 14.60 9.50	1.1.0	-1C5-5C	305	-1-593	**50
.500	1.296	-3.30 -51.50	-6+C	-94-20 -95-60 -97-50 -1CC-4C -1G-50 -118-3C	303	564	-500
-550 -575	225	-123.30 -139.00	-54C	-238.30		59	-550
.625	5 * 399 6 * 399 6 * 76 * 6 * 76 * 6 * 76 * 6 * 76 * 6 *	-146.20	2.40C 2.88C 3.16C 3.28C 3.28C 3.28C 2.48C 2.48C 2.48C 1.68C 1.68C 1.68C 1.68C 1.68C 1.68C 1.68C 2.88C	-238.3C -254.CC -261.2C	556	.459 .961 1.463 1.909	•550 •575 •600 •625
.65C	**576	-150.80	5.500	-265.8C -267.CC	166	2.254 2.616	•625
.675 .700 .725	3.884 4.576 5.306 5.913 6.358 6.764 6.764 6.561 6.358 5.954 5.386	-152.00 -153.00 -153.70	2.620	-267.CC -268.CC -268.7C	276 226 201 166 137 102 071 058 012 000	2.616	
•725	6.358	-153.70	3.14C	-268.70	071	2.918 3.139	.700 .725 .750 .775
.750 .775	6.700	-154.00 -154.80 -155.00	3.34C	-269.CC -269.BC	015	3.339	·750 ·775
• • • • • • • • • • • • • • • • • • • •	6.358	-155.60 -155.90	3.24C 3.14C 2.94C	-27C.CC -27C.6C -27C.9C		3.240 3.140 2.940	
75	5.386	-156.50 -156.50	2.940	-271.5C	-046	2.659	-825 -850 -875
.900					*059 *047 *036	2.239	·900
•950 •975	3.604 2.754 1.620	-156.50 -156.50 -156.50	1.78C 1.36C	-271.50 -271.50	•636	1.360	•950
.984	1.093	-156.5c	•5+C	-271.50 -271.50	•021 •014	.800 .540	.975
		B. MEAS	RED CHARGE CI	STRÍBÉTION IN	PICCOUL/VOLT:		
	RA~ C	ATA	NORMAL	IZEC CATA			
2/14	(P/12	ORFA?	Come	CAFAZ	ou Be it	Cuinas	7/I AMDAO
Z/H +006	UR:1A3	.3.00	GNMAG 21-500	GNFAZ +3.00	GNMEÁL 21.671		Z/LAMDAO
00	6.907	-3.00		-3.00	GN#EAL 21.471 15.662		-004
•006 •:25 •=5c •.75	6.907	-3.00	21.50C 15.70C	-3.00 -4.00 -5.00	GNREAL 21.471 15.662 13.708 12.905		.006 .025 .050
.006 .25 .50 .75	9.997 7.300 6.393 5.603 5.245	-3.00 -5.00 -5.00 -6.30	21.50C 15.70C 13.76C 12.48C	-3.00 -4.00 -5.00	21.471 15.662 13.708 12.405	-1.125 -1.095 -1.199 -1.369 -1.550	.006 .025 .050 .075 .100
.006 .025 .75 .75 .100 .125 .150	9.997 7.300 6.393 5.603 5.745 4.650	-3.co -4.co -5.co -6.30 -7.90 -9.70	21.50C 15.70C 13.76C 12.48C 11.28C 1C.00C	-3.00 -4.00 -5.00 -6.30 -7.90 -9.70	21.471 15.662 13.708 12.905 11.173 9.857 6.822 6.971	-1-125 -1-095 -1-199 -1-369 -1-550 -1-685	.006 .025 .050 .075 .100
.006 .025 .050 .075 .100 .125 .150 .175	9.997 7.300 6.393 5.603 5.745 4.650	-3.co -4.co -5.co -6.30 -7.90 -9.70	21-50C 15-70C 13-76C 12-48C 11-28C 1C-00C 8-70C 7-20C 5-66C	-3.00 -4.00 -5.00 -6.30 -7.90 -9.70 -11.60	21.471 18.662 13.708 12.905 11.173 9.857 8.822 6.971 5.352	-1-125 -1-095 -1-199 -1-369 -1-550 -1-685	.006 .025 .050 .075 .100 .125 .155 .175
.006 .025 .050 .075 .100 .125 .150 .175	9.997 7.300 6.393 5.603 5.745 4.650	-3.co -4.co -5.co -6.30 -7.90 -9.70	21.50C 15.70C 13.76C 12.48C 11.28C 1C.00C 8.70C 7.20C 5.66C 3.82C 2.36C	-3.00 -4.00 -5.00 -6.30 -7.90 -9.70 -11.60	21.471 18.662 13.708 12.905 11.173 9.857 8.822 6.971 5.352	-1-125 -1-095 -1-1369 -1-1550 -1-685 -1-749 -1-803 -1-843	.006 .025 .050 .075 .100 .125 .150 .175 .200
.006 .025 .055 .075 .125 .150 .175 .205 .205 .275	9.997 7.300 6.393 5.603 5.745 4.650	-3.co -4.co -5.co -6.30 -7.90 -9.70	21.50C 15.70C 13.76C 12.48C 11.28C 1C.00C 8.70C 7.20C 5.66C 3.82C 2.38C	-3.00 -4.00 -5.00 -6.30 -7.90 -9.70 -11.60	21.471 18.462 13.708 12.905 11.173 9.852 6.971 5.352 3.376 1.669	-1-125 -1-095 -1-1369 -1-1550 -1-685 -1-749 -1-803 -1-843	-006 -025 -050 -075 -100 -125 -150 -175 -200 -225 -250 -275
*006 *025 *n50 *175 *125 *175 *175 *205 *225 *275 *305	9.997 7.300 6.393 5.705 4.655 4.655 4.650 7.76 1.97 7.76 1.97 1.62	-3.cc -4.00 -5.00 -6.30 -7.90 -9.7c -11.50 -19.cc -27.90 -45.00 -97.00 -144.00 -161.50	21.50C 15.70C 13.7eC 12.4eC 11.2eC 11.2eC 7.20C 5.6eC 3.8eC 2.3eC 1.6eC 2.3eC 2.5eC	-3.00 -4.00 -5.00 -6.30 -7.90 -9.70 -11.60 -11.60 -27.90 -45.00 -97.00	21.471 15.662 13.708 12.905 11.173 9.857 6.822 6.971 5.352 3.376 9.969 -197 72.023	-1:125 -1:095 -1:199 -1:369 -1:550 -1:685 -1:749 -1:649 -1:649 -1:469 -1:469	+004 +025 +055 +075 +100 +125 +150 +175 +200 +225 +250 +275 +300 +325
*006 *025 *050 *075 *100 *125 *175 *200 *225 *259 *350 *325 *350	9.997 7.300 6.393 5.705 4.655 4.655 4.650 7.76 1.97 7.76 1.97 1.62	-3.cc -4.00 -5.00 -6.30 -7.90 -9.7c -11.50 -19.cc -27.90 -45.00 -97.00 -144.00 -161.50	21.50C 15.70C 13.7eC 12.4eC 11.2eC 11.2eC 7.20C 5.6eC 3.82C 2.3eC 1.62C 2.3eC 2.5eC	-3.00 -4.00 -5.00 -6.30 -7.90 -9.70 -11.60 -11.60 -27.90 -45.00 -97.00	21.471 15.662 13.708 12.905 11.173 9.857 6.822 6.971 5.352 3.376 9.969 -197 72.023	-1:125 -1:095 -1:199 -1:369 -1:685 -1:685 -1:803 -1:803 -1:669 -1:669 -1:469 -1:295 -1:17	.006 .025 .050 .075 .100 .125 .150 .175 .200 .225 .250 .275
**************************************	9.997 7.300 0.394 5.03 5.245 4.650 3.349 2.632 1.776 1.97 1.697 2.651 1.697 2.651 3.997	-3.co -4.co -5.co -6.30 -7.90 -9.70 -11.6c -19.co -25.00 -9.40 -10.60 -10.60 -10.60 -10.60 -17.50 -17.50 -17.50 -17.50	21.50C 13.76C 13.76C 12.48C 11.28C 11.28C 10.00C 8.70C 7.20C 2.36C 2.36C 2.56C 2.56C 3.68C 2.56C 3.68C	-3 - CC - +	21.471 15.662 13.708 12.905 11.173 9.857 6.822 6.971 5.352 3.376 9.969 -197 72.023	-1-125 -1-095 -1-199 -1-369 -1-550 -1-689 -1-693 -1-693 -1-698 -1	.004 .025 .050 .075 .100 .125 .155 .200 .225 .275 .300 .225 .375
**************************************	9.997 7.300 9.393 5.745 4.757 4.757 3.348 1.797 1.797 1.797 1.997 1.997 1.997 1.997 1.999 4.799	-3.C0 -4.00 -5.C0 -6.30 -7.90 -1.46 -1.45 -2.50 -1.4.00 -1.4.00 -1.4.00 -1.5.70 -1.75.50 -1.77.50 -1.77.50	21.50C 13.76C 13.76C 12.48C 11.28C 1.28C 5.66C 3.20C 2.36C 1.28C 4.08C 5.70C 7.00	-3.00 -1.00 -1.00 -1.70 -1.10	21.471 15.662 13.708 12.905 11.173 9.857 6.822 6.971 5.352 3.376 9.969 -197 72.023	1-125 1-1095 1-199 1-369 1-550 1-665 1-665 1-665 1-669 1-669 1-77 1-669 1-77 1-77 1-77 1-77 1-77 1-77 1-77 1-7	.004 .025 .050 .075 .100 .125 .175 .200 .225 .275 .300 .225 .375 .400 .425 .450
- 006 - 025 - 025 - 025 - 125 - 125	9-997 7-304 5-933 5-245 5-245 1-25 1-25 1-25 1-25 1-25 1-25 1-25 1-2	-3.cc -5.0c -5.0c -7.9c -7.9c -11.5c -27.9c -15.5c -17.5c -175.5c -177.5c -177.5c -177.5c	21.50C 13.76C 13.76C 13.76C 11.28C 11.28C 1.28C 3.20C 3.20C 3.20C 4.00C 5.66C 3.20C 4.00C 5.0	-3.0C -5.0C -5.0C -6.3C -7.9C -11.6C -12.7C -11.6C -27.9G -41.6C -27.9G -41.6C -178.6C -178.6C -178.6C	21.471 15.662 13.708 12.507 12.173 9.852 6.971 9.852 6.973 1.669 -0.137	1-125 1-1095 1-199 1-369 1-550 1-665 1-665 1-665 1-669 1-669 1-77 1-669 1-77 1-77 1-77 1-77 1-77 1-77 1-77 1-7	.006 .025 .050 .075 .100 .125 .155 .156 .156 .260 .225 .275 .260 .225 .256 .256 .256 .256 .256 .256 .256
- 006 - 025 - 025 - 025 - 125 - 125	9-997 7-304 5-0293 5-0293 5-029 1-02	-3.cc -5.0c -5.0c -7.9c -7.9c -11.5c -27.9c -15.5c -17.5c -175.5c -177.5c -177.5c -177.5c	21.50C 13.76C 13.76C 12.76C 12.26C 10.00C 8.70C 7.20C 5.66C 3.82C 2.36C 2.36C 5.70C	-3.0C -5.0C -5.0C -6.3C -7.9C -11.6C -12.7C -11.6C -27.9G -41.8C -27.9G -41.8C -17.8C -17.8C -17.8C -17.8C -17.8C -17.8C	21.471 15.662 13.700 12.407 9.682 6.352 6.352 1.669 -5.354 -6.390 -6.390 -6.390 -7.466	1 185 1 195 1 199 1 199 1 189 1 189	.004 .025 .050 .075 .100 .125 .155 .155 .200 .225 .275 .300 .225 .275 .305 .375 .405 .475
**************************************	9-997 0-394 0-394 0-394 0-394 0-394 0-395	-3.cc -5.co -6.30 -7.90 -11.6cc -9.70 -9.7	21.50C 13.76C 13.76C 12.76C 12.26C 10.00C 8.70C 7.20C 5.66C 3.82C 2.36C 2.36C 5.70C	-3.0c -5.0c -5.0c -6.3c -7.7c -7.7c -11.5c -11.5c -7.7	21.471 15.662 13.700 12.407 9.682 6.352 6.352 1.669 -5.354 -6.390 -6.390 -6.390 -7.466	1 - 125 1 - 1039 1 - 103	.006 -025 -075 -075 -100 -125 -175 -175 -206 -225 -225 -225 -235 -235 -235 -235 -335 -3
**************************************	9.997 7.394 5.013 5.013 5.013 5.013 5.013 5.013 7.013	-3.cc -5.co -6.30 -7.90 -11.6cc -9.70 -9.7	21.50C 13.76C 13.76C 12.76C 12.26C 10.00C 8.70C 7.20C 5.66C 3.82C 2.36C 2.36C 5.70C	-3.0c -5.0c -5.0c -6.3c -7.7c -7.7c -11.5c -11.5c -7.7	21.471 15.464 12.405 12.105 12.105 12.105 13.172 1.452	1 - 125 1 - 1039 1 - 103	- 004 - 025 - 025 - 100 - 100 - 125 - 125 - 125 - 200 - 225 - 275 - 200 - 225 - 275 - 350 - 375 - 500 -
**************************************	9-997 0-394 0-994	-3.c0 -5.c0 -5.c0 -6.30 -7.90 -9.70 -11.60 -97.90 -97.00 -97.00 -97.00 -10.45,00 -17.50 -175.50 -177.50 -177.50 -177.50 -178.00 -180.4	21.50C 13.76C 13.76C 12.76C 12.26C 10.00C 8.70C 7.20C 5.66C 3.82C 2.36C 2.36C 5.70C	-3.0c -5.0c -5.0c -6.3c -7.7c -7.7c -11.5c -11.5c -7.7	21.471 15.464 12.405 12.105 12.105 12.105 13.172 1.452	1 - 125 1 - 1039 1 - 103	- 006 - 025 - 055 - 055 - 156 - 156 - 156 - 205 - 275 - 255 - 275 - 275
- 506 - 225 - 125 - 125 - 125 - 126 - 126 - 127 - 127	9-997 0-394 0-994	-3.c0 -5.c0 -5.c0 -6.30 -7.90 -9.70 -11.60 -97.90 -97.00 -97.00 -97.00 -10.45,00 -17.50 -175.50 -177.50 -177.50 -177.50 -178.00 -180.4	21.50C 13.76C 13.76C 12.76C 12.26C 10.00C 8.70C 7.20C 5.66C 3.82C 2.36C 2.36C 5.70C	-3 -00 -5 -00 -5 -00 -5 -00 -5 -00 -7 -00	11.771 13.700 13.700 11.173 2.101 2.	1.125 -1.1295 -1.1299 -1.1299 -1.3699 -1.3699 -1.3699 -1.4693	-004 -059 -059 -079 -100 -125 -150 -157 -200 -225 -250 -275 -300 -025 -250 -378 -300 -075 -500 -555 -550 -575 -500 -575 -575
- 106 A	9-99 7-30 6-1994 6-1994 6-103 5-103 5-103 6-103	-3 - C0 -5 - C0 -5 - C0 -5 - C0 -5 - C0 -5 - C0 -1	21.50C 10.70C 11.70C 12.40C 11.40C 11.40C 11.40C 12.40C 2.00C 2.00	-3 -00 -5 -00 -5 -00 -5 -00 -5 -00 -7 -00	11.771 13.700 13.700 11.173 2.101 2.	1.125 -1.1295 -1.1299 -1.1299 -1.3699 -1.3699 -1.3699 -1.4693	-004 -025 -025 -025 -025 -125 -125 -126 -126 -126 -126 -126 -126 -126 -126
- 106 - 126 - 126 - 126 - 126 - 127 - 126 - 127 - 126 - 127 - 126 - 127 -	9-997 7-830 6-1994 9-19	-3 - co -5 - co -5 - co -5 - co -5 - co -5 - co -5 - co -11 - 6c -12 - 6c -27 - co -27	21-5 roc 12-76 r	-3.00 -5.00 -5.00 -5.00 -5.00 -5.00 -11.40 -	11.17.01 12.10.17.01 12.10.01 12.	1.125 -1.129 -1.1399 -1.3499 -1.3499 -1.3499 -1.4693 -	-004 -025 -025 -030 -025 -030 -025 -030 -025 -030 -025 -030 -025 -030 -025 -030 -025 -030 -025 -030 -025 -030 -025 -030 -025 -030 -030 -030 -030 -030 -030 -030 -03
- 126 - 126 - 127 - 126 -	9-197 7-300 6-197 7-300 6-197 5-7-36 5-7-36 5-7-36 1-1-65	-3 - c c c c c c c c c c c c c c c c c c	21-500 12-700 12-740 12-740 11-700 1-7-700	-3.0c -6.0c	11.071 12.005 12	-1.25 -1.299 -1.399 -1.399 -1.489 -1.	-004 -025 -025 -027 -1002 -128 -128 -129 -129 -129 -129 -129 -129 -129 -129
- UCA - UCA	9-197 7-30,0 6-1913 6-1	-3 - cc -5 - cc -5 - cc -5 - cc -5 - cc -5 - cc -6 - cc -1 - 6 - cc -1 - 6 - cc -1 - 6 - cc -2 - cc -2 - cc -2 - cc -2 - cc -2 - cc -2 - cc -1 - cc -2 - cc	21-500 12-700 12-760 11-800 11-800 11-800 11-800 1-800	-3.0C -5.0C	11.471 12.703 12	- 1.25 - 1.29 - 1.399 - 1.389 - 1.489 - 1.489	-004 -025 -025 -030 -025 -030 -025 -030 -025 -030 -025 -030 -025 -030 -025 -030 -025 -030 -025 -030 -025 -030 -025 -030 -025 -030 -030 -030 -030 -030 -030 -030 -03
- 126 - 127 - 126 - 128 - 128	9-197 7-300 6-197 7-300 6-197 5-10-197 5-10-197 5-10-197 1-10-197	-3 - CC -5 - CC -5 - CC -5 - CC -5 - CC -5 - CC -5 - CC -1	21-500 12-700 12-760 11	-3 - 0 c c c c c c c c c c c c c c c c c c	11.174 13.703 13.703 11.1703 1	- 1.25 - 1.25 - 1.399 - 1.349 - 1.449 - 1.449	-004 -025 -027 -027 -102 -128 -128 -128 -128 -128 -128 -128 -12
- UCA - UCA	9-19-7 7-30-0 0-29-1 0-39-1	-3 - cc -5 - cc -5 - cc -5 - cc -5 - cc -5 - cc -6 - cc -1 - 6 - cc -1 - 6 - cc -1 - 6 - cc -2 - cc -2 - cc -2 - cc -2 - cc -2 - cc -2 - cc -1 - cc -2 - cc	21-500 12-700 12-740 12-740 11-700 1-7-700	-3.0C -5.0C	11.471 12.703 12	1.125 -1.1299 -1.1299 -1.1299 -1.2499	.004 .075 .070 .070 .070 .070 .070 .070 .070

TABLE 3.2 (CONTINUED)

	E1514180	TION OF CLAREN	T AND CHARGE	-		RESP MATER	
	ALFAL/DET	AL0460	BETAL/E	ETAC . 1.C18	HILAM	CAC500	
	FACTUE	NCY . 300.00F	2 PE	• ·ce7	DILAMONO	0500	
				T CISTRIBLTION	IN MAJVOLT		
2/-	HA- D			IZEC CATA			
2/-	IRPAG	IFFAZ		INFAZ	INFEAL	INTHAG	Z/LAMDO
.050	1.320	171.30 133.50 76.90 51.40	1.200 .660 .760 1.220 1.780	56.30 18.50 -36.10 -63.60 -74.00	-646 -626	.998	.003
-150	3.565	51.4c	1.220	-38.1C	-598 -542 -491	-1.093	+050 +075
.250	****	35.40	5.350	-74.CC	****	-1.711	·100
•35c	6.163	35.60	3.060	-82.40	·352 ·279	-2.637	·150
••50	7.320	27.30	3.660	-86.2C	•279 •227 •197	-3.412	.200
.550	7.645	25.80	3.820	-85.20	·119	-3.798 -3.820 -3.700	·250 ·275
.650	7.123	29.10	3.700	-89.90 -90.60 -91.10	037	-3.700 -3.560	·300
.750	0.50	23.40	2.66C 3.08C 3.42C 3.66C 3.80C 3.70C 3.56C 3.76C 3.56C 3.00C 2.50C	-91.1C	063	-3.279	·350
. A 5 g	3.965	23.20	1.980	-91.6C	042	-2.499	.400
950	1.760	23.00 23.00 22.70	1.50C -88C	-92.00 -92.00	052	-1.499 879	·+50 ·+75
.,,,,			-600			*****	
		B. PEASU	RED CHARGE CI	STRIBLTION IN	PICCOLL/VOLT:	•	
•	RA- D	ATA	NORPAL	IZEC CATA			
2/4	JRMAG	GRFAZ	21.50C 15.92C 14.08C 12.80C 11.50C 9.90C 8.3AC 6.88C 5.18C 3.82C 1.36C 3.82C 7.32C 7.32C	GNFAZ			
•012 •050	9.997 7.*03 6.547 5.952 5.347 4.663 3.597 3.199 2.399 1.997 6.23	-2.00 -3.00 -4.00 -5.00	15.920	-2.00 -3.00 -4.00 -5.00	21.487 15.898 14.046 12.751	750 633 982	-006
.150	5.952	-5.00 -6.20	12.800	-5.00	12.751	-1-116	·050
.250	••663	-7.70	9.900	-7.7c	9.811	-1.326	·100
350	3.199	-9.20 -11.50	6.840	-11.5c	6.742	-1.372	·150
50	1.97	-15.10	3.220	-15.10 -23.00	2.964	-1.344	.500
.550	.744	-1-5-20	1.600	-142.50	12.751 11.433 9.811 8.272 6.742 4.982 2.966 .797 -1.269 -3.377 -5.361 -7.305	-1.077	·250 ·275
.650	2.511	-166.CO -173.10	5.400	-166.CO -173.1C	-3.377	642	·300
.750	• • 297	-176.30	7.32C 9.24C 10.42C	-176.3C -178.6C			·350
-850 -850	5.450	-179.60 -180.50	11.720	-179.60 -180.50	-9.237 -10.420 -11.720	073	.425
.900 .950	6.222 6.845 7.595	-18C.5C -181.10 -181.6C -181.8C	11.72C 13.38C 14.72C 16.34C	-18C-5C -181-1C -181-6C -181-8C	-11.720 -13.378 -14.714 -16.332	·257	• 450 • 475
• • • • • • • • • • • • • • • • • • • •	/*295	-101.00	10.340	-161.80	-10.332	.513	• 487
		Service State State Service					
	CISTRIBU	TION OF CLAREN	T AND CHARGE	OF LOVOLOFE W	LENNY BAEN L	MERH WATER	
	ALFAL/BET	AL OZBC	BETAL/B	ETAC - 1.C16	HILAM	DAC500	
	ALFAL/BET FREGUE	AL0280 NCY - 300.00MH	BETAL/B	ETAC - 1.016	D/LAMDAG	DAC500 1000	
	ALFAL/BET FREGUE	AL0280 NCY - 300.00MH	BETAL/B Z PE ASURED CLRREN	ETAC • 1.016 • .067 T DISTRIBUTION	D/LAMDAG	DAC500	
	ALFAL/BET. FREGUE	AL0280 NCY - 300.00MH; A. HE	BETAL/B Z PE ASURED CLAREN NORMAL	ETAC - 1.016067 T DISTRIBUTION	HZĽÁM DZĽÁMCÁČ IN MAŽVBÚT	DAC500 1000	
Z/H	ALFAL/BET. FREGUE	AL028C NCY - 3CO.0CMH: A. MEI ATA IRFAZ	BETAL/B Z PE ASURED CURREN NORMAL INMAG	ETAC - 1.016067 T DISTRIBUTION IZEC DATA INFAZ	HZĽÁM DZĽÁMCÁČ IN MAŽVBĽT INMEŘĽ	000500 1000	Z/LAPD0
•006 •050	ALFAL/BET. FREGUE	AL028C NCY - 3CO.0CMH: A. MEI ATA IRFAZ	BETAL/B Z PE ASURED CURREN NORMAL INMAG	ETAC = 1.016 067 T DISTRIBUTION IZED DATA INFAZ 67.00	HZĽÁM DZĽÁMCÁČ IN MAŽVBĽT INMEŘĽ	DAC500 1000 INIMAG 1.326	.003
	ALFAL/BET. FREGUE	AL028C NCY - 3GO.GOMH A. MEI ATA IRFAZ 182.GC 160.50 97.60 56.50	BETAL/B Z PE ASURED CURREN NORMAL INMAG	ETAC - 1.016067 T DISTRIBUTION IZEC DATA INFAZ	HZĽÁM DZĽÁMCÁČ IN MAŽVBÚT	000500 1000	
•006 •050	ALFAL/BET. FREGUE	AL028C NCY - 3GO.GOMH A. MEI ATA IRFAZ 182.GC 160.50 97.60 56.50	BETAL/B Z PE ASURED CLAREN NORMAL	ETAC = 1.016 067 T DİSTRIBUTION IZEC CATA INFAZ 67.00 .45.50 -17.40 -73.40	HZĽÁM DZĽÁMCÁČ IN MAŽVBĽT INMEŘĽ	DAC500 1000 INIMAG 1.326 .528	.003 .025 .050 .075 .100
.006 .050 .100 .150	ALFAL/BET. FREGUE	AL028C NCY - 3GO.GOMH A. MEI ATA IRFAZ 182.GC 160.50 97.60 56.50	BETAL/B Z PE ASURED CURREN NORMAL INMAG	ETAC = 1.016 067 T DISTRIBUTION IZED DATA INFAZ 67.00	HZĽÁM DZĽÁMCÁČ IN MAŽVBĽT INMEŘĽ	INIMAG 1.326528530733 -1.342	.003
.006 .050 .100 .150	ALFAL/BET. FREGUE	AL028C NCY - 3GO.GOMH A. MEI ATA IRFAZ 182.GC 160.50 97.60 56.50	BETAL/B Z PE ASURED CURREN NORMAL INMAG	ETAC = 1.C16 C67 T DISTRIBUTION INFAZ 67.CC .45.5C .17.4C .73.4C .73.4C .74.8C	HZĽÁM DZĽÁMCÁČ IN MAŽVBĽT INMEŘĽ	INIMAG 1.326528530733 -1.342	.003 .025 .050 .075 .100
.006 .050 .100 .150	ALFAL/BET. FREGUE	AL028C NCY - 3GO.GOMH A. MEI ATA IRFAZ 182.GC 160.50 97.60 56.50	BETAL/B Z PE ASURED CURREN NORMAL INMAG 1.94C -74C -550C -86C 1.86C 1.86C 2.22C 2.64C 2.98C	ETAC = 1.016 067 T DİSTRIBUTION IZEC DATA INFAZ 67.CC .45.5C -17.4C -73.4C -73	HZĽÁM DZĽÁMCÁČ IN MAŽVBĽT INMEŘĽ	IAIHAG IAIHAG 1.326508730373037303730373037303730373037303730373037303	.003 .025 .050 .075 .100
.006 .050 .100 .150	ALFAL/BET. FREGUE RAM C IRMAS 2-902 1-901 1-907 1-733 2-821 3-748 4-477 5-964 0-1770 6-7770 6-609 6-609	AL028C NCY - 3GO.GOMH A. MEI ATA IRFAZ 182.GC 160.50 97.60 56.50	BETAL/8 Z PE ASURED CLEREN NOSPAL INMAG 1.94C .750C .86C 1.40C 1.	ETAC = 1.C16 C67 T DISTRIBUTION IZEC CATA INFAZ 67.CC 45.5C -17.4C -78.8C	HZĽÁM DZĽÁMCÁČ IN MAŽVBĽT INMEŘĽ	INIMAG 1.326528530733 -1.342	.003 .025 .050 .075 .100
.006 .150 .100 .200 .250 .250 .350 .350 .450 .500 .550 .650 .750	ALFAL/BET. FREGUE	AL OZBC A. MEI ATA 18FAZ 18F2.GC 16C.5C 26.4C 36.2C 37.1C 26.4C 2	BETAL/8 Z PE ASURED CLRREN NORPAL IN-MAG 1+-C -7-AC -5-6-C 16-C 16-C 22-C 26-C 33-C 33-C 33-C 33-C 33-C 33-C 33-C	ETAC - 1.c16c67 T DISTRIBUTION 12EC CATA 15-FAZ 67.c0550560788078808890	D/LAMCAC IN MAZVELT INTEAL -562 -913 -913 -913 -900 -361 -261 -261 -27 -212 -212 -212 -212 -212 -212 -212	IAIHAG IAIHAG 1.326508730373037303730373037303730373037303730373037303	.003 .025 .050 .075 .100
.006 .050 .100 .150	RA- C IR'-3 2-902 1-91 1-027 3-744 4-72 5-964 6-009 6-009 6-005 5-521 675	AL OZBC A. MEI ATA 18FAZ 18F2.GC 16C.5C 26.4C 36.2C 37.1C 26.4C 2	BETAL/8 Z PE ASURED CLRREN NORPAL IN-MAG 1+-C -7-AC -5-6-C 16-C 16-C 22-C 26-C 33-C 33-C 33-C 33-C 33-C 33-C 33-C	ETAC - 1.c16c67 T DISTRIBUTION 12EC CATA 15-FAZ 67.c0550560788078808890	D/LAMCAC IN MAZVELT INTEAL -562 -913 -913 -913 -900 -361 -261 -261 -27 -212 -212 -212 -212 -212 -212 -212	IAI MAG IAI	.003 .025 .050 .075 .100
.006 .150 .100 .200 .250 .250 .350 .350 .450 .500 .550 .650 .750	ALFAL/BET. FREGUE RAM C IRMAS 2-902 1-901 1-907 1-733 2-821 3-748 4-477 5-964 0-1770 6-7770 6-609 6-609	AL OZBC A. MEI ATA 18FAZ 18F2.GC 16C.5C 26.4C 36.2C 37.1C 26.4C 2	BETAL/8 Z PE ASURED CLRREN NORPAL IN-MAG 1+-C -7-AC -5-6-C 16-C 16-C 22-C 26-C 33-C 33-C 33-C 33-C 33-C 33-C 33-C	ETAC - 1.c16c67 T DISTRIBUTION 12EC CATA 15-FAZ 67.c0550560788078808890	D/LAMCAC IN MAZVELT INTEAL -562 -913 -913 -913 -900 -361 -261 -261 -27 -212 -212 -212 -212 -212 -212 -212	INIMAG INIMAG	.003 .025 .050 .075 .100
.006 .150 .100 .200 .250 .250 .350 .350 .450 .500 .550 .650 .750	ALFAL/BET. FREGUE: RA= C IR*A5 2.902 1.7027 1.7033 7.8214 5.322 5.964 6.4036 6.4036 6.4036 6.4036 6.4036 6.4036 6.4036 6.4036 6.4036 6.4036	AL028C ME. ATA ME. ATA 18FAZ 182.C0 16C.50 54.50 16C.50 76.6	BETAL/8 Z PE ASURED CLRREN NORPAL INPAG 1.94C -7.9C -80C -80C 2.94C 2.95C 2.9	ETAC = 1.c16 c67 T 01STR1BLT10N IZEC GATA 1.FAZ 6.50 6.50 7.74	D/LAMCAO IN MA/VOLT INMEAL	IAIHAG IAIHAG 1.266288150073313451	.003 .025 .050 .075 .100
.006 .150 .100 .200 .250 .250 .350 .350 .450 .500 .550 .650 .750	ALFAL/BET FREGUE FAA C IR"AD 2:002 1:491 1:491 1:491 2:748 2:748 2:492 2:748 2:492 2:748 2:492 2:748 2:492 2:748 2:492 2:748 2:492 2:49	AL	BETAL/8 Z PE ASURED CLERKE AREA CLERKE 1.4 A C	ETAC - 1.c16c67 T DISTRIBUTION IZEC CATA INFAZ - 6.50 - 17.40 - 73	D/LAMCAO IN MA/VOLT INMEAL	IAIHAG IAIHAG 1.266288150073313451	.003 .025 .050 .075 .100
.006 .150 .100 .200 .250 .250 .350 .350 .450 .500 .550 .650 .750	ALFAL/SET FREGUE RAM 0 IR**A9 2.*302 2.*302 1.*037 1.*037 2.*771 5.*304 6.*707 6.*70	AL	BETAL/8 Z PE ASURED CLERKE ASSET AS	ETAC = 1.c16 c67 T OISTRIBUTION IZEC CATA IAFAZ 67-CC 48-50 - 17-40 - 17-40 - 18-50 - 18-	P/(APCA) Oriancio IA MAJVECT IAMEAL - 683 - 777 -	IAIHAG IAIHAG 1.266288150073313451	.003 .025 .050 .075 .100
- 106 - 150 - 1100 - 150 - 120 - 220 - 230 - 230 - 230 - 230 - 230 - 250 - 250	ALFAL/SET FREGUE RAM 0 IR**A9 2.*302 2.*302 1.*037 1.*037 2.*771 5.*304 6.*707 6.*70	AL	BETAL/8 Z PE ASURED CLERKE ASSET AS	ETAC = 1.c16 c67 T OISTRIBUTION IZEC CATA IAFAZ 67-CC 48-50 - 17-40 - 17-40 - 18-50 - 18-	P/(APCA) Oriancio IA MAJVECT IAMEAL - 683 - 777 -	INIMAG INIMAG	- 003 - 025 - 055 - 055 - 100 - 125 - 125 - 125 - 228 - 228
	ALFAL/SET FREGUE RAM 0 IR**A9 2.*302 2.*302 1.*037 1.*037 2.*771 5.*304 6.*707 6.*70	AL	BETAL/8 Z PE ASURED CLERKE ASSET AS	ETAC = 1.c16 c67 T OISTRIBUTION IZEC CATA IAFAZ 67-CC 48-50 - 17-40 - 17-40 - 18-50 - 18-	P/(APCA) Oriancio IA MAJVECT IAMEAL - 683 - 777 -	INIMAG INIMAG	- 003 - 025 - 055 - 055 - 100 - 125 - 125 - 125 - 228 - 228
- 106 - 150 - 1100 - 150 - 120 - 220 - 230 - 230 - 230 - 230 - 230 - 250 - 250	ALFAL/SET FREGUE RAM 0 IR**A9 2.*302 2.*302 1.*037 1.*037 2.*771 5.*304 6.*707 6.*70	AL028C NCY - 300.00HH. ATA IRFAZ 182.00 190	BETAL/8 Z PE ASURED CLERKE ASSET AS	ETAC - 1.c16c67 T DISTRIBUTION IZEC CATA INFAZ 67.CC - 77.4C - 77.	#// EMP O/ CAPOLO 1	INIMAG INIMAG	- 003 - 025 - 055 - 055 - 100 - 125 - 125 - 125 - 228 - 228
- 106 - 150 - 1100 - 150 - 120 - 220 - 230 - 230 - 230 - 230 - 230 - 250 - 250	ALFAL/BET FREGUE FAA C IR"AD 2:002 1:491 1:491 1:491 2:748 2:748 2:492 2:748 2:492 2:748 2:492 2:748 2:492 2:748 2:492 2:748 2:492 2:49	AL	BETAL/8 Z PE ASURED CLERKE ASSET AS	ETAC = 1.c16 c67 T OISTRIBUTION IZEC CATA IAFAZ 67-CC 48-50 - 17-40 - 17-40 - 18-50 - 18-	P/(APCA) Oriancio IA MAJVECT IAMEAL - 683 - 777 -	INIMAG INIMAG	- 003 - 025 - 055 - 055 - 100 - 125 - 125 - 125 - 228 - 228
- 106 - 150 - 1100 - 150 - 120 - 220 - 230 - 230 - 230 - 230 - 230 - 250 - 250	ALFAL/SET FREGUE RAM 0 IR**A9 2.*302 2.*302 1.*037 1.*037 2.*771 5.*304 6.*707 6.*70	AL	BETAL/8 Z PE ASURED CLERKE ASPEAL INFAG 1-94 1-94 1-95 1-9	ETAC = 1.c16 c67 T OISTRIBUTION IZEC CATA IAFAZ 67-CC 48-50 - 17-40 - 17-40 - 18-50 - 18-	P/(APCA) Oriancio IA MAJVECT IAMEAL - 683 - 777 -	INIMAG INIMAG	- 003 - 025 - 055 - 055 - 100 - 125 - 125 - 125 - 228 - 228
- 106 - 150 - 1100 - 150 - 120 - 220 - 230 - 230 - 230 - 230 - 230 - 250 - 250	ALFAL/SET FREGUE RAM 0 IR**A9 2.*302 2.*302 1.*037 1.*037 2.*771 5.*304 6.*707 6.*70	AL	BETAL/8 Z PE ASURED CLERKE ASSET AS	ETAC = 1.c16 c67 T OISTRIBUTION IZEC CATA IAFAZ 67-CC 48-50 - 17-40 - 17-40 - 18-50 - 18-	P/(APCA) Oriancio IA MAJVECT IAMEAL - 683 - 777 -	INIMAG INIMAG	- 003 - 025 - 055 - 055 - 100 - 125 - 125 - 125 - 228 - 228
- 106 - 150 - 1100 - 150 - 120 - 220 - 230 - 230 - 230 - 230 - 230 - 250 - 250	ALFAL/SET FREGUE RAM 0 IR**A9 2.*302 2.*302 1.*037 1.*037 2.*771 5.*304 6.*707 6.*70	AL028C ACY - 300.00MH. ATA IRFAZ IRF	BETAL/8 Z PE ASURED CLERKE ASSET AS	ETAC - 1.016067 T 01STRIBLTION IZEC GATA IXFAZ 67-CC 48-SC 48-SC 78-SC 78-	P/(APCA) Oriancio IA MAJVECT IAMEAL - 683 - 777 -	INIMAG INIMAG	- 003 - 025 - 055 - 055 - 100 - 125 - 125 - 125 - 228 - 228
- 106 - 150 - 1100 - 150 - 120 - 220 - 230 - 230 - 230 - 230 - 230 - 250 - 250	ALFAL/SET FREGUE RAM 0 IR**A9 2.*302 2.*302 1.*037 1.*037 2.*771 5.*304 6.*707 6.*70	AL	BETAL/8 Z PE ASURED CLERKE ASSET AS	ETAC = 1.c16 c67 T OISTRIBUTION IZEC CATA IAFAZ 67-CC 48-50 - 17-40 - 17-40 - 18-50 - 18-	P/(APCA) Oriancio IA MAJVECT IAMEAL - 683 - 777 -	INIMAG INIMAG	- 003 - 025 - 055 - 055 - 100 - 125 - 125 - 125 - 228 - 228
- 106 - 150 - 1100 - 150 - 120 - 220 - 230 - 230 - 230 - 230 - 230 - 250 - 250	### ALFAL/SET FREGUE RAM C 16 17 17 17 17 17 17 17	AL028C NCY - 300.00HH. ATA IRFAZ 187.20 167.50 157.50 167	BETAL/8 Z PE ASUBED CLARRED ADBPAL INFAG 1.4-0.2 1.4-	ETAC - 1.c16c67 T DISTRIBUTION IZEC CATA INFAZ 67.CCC68.CCC73.AC	PICAMPAL IMPAL SAPA S	INIMAG INIMAG	- 003 - 025 - 055 - 055 - 100 - 125 - 125 - 125 - 228 - 228
- 106 - 150 - 1100 - 150 - 120 - 220 - 230 - 230 - 230 - 230 - 230 - 250 - 250	### ALFAL/SET FREGUE RAM C 16 17 17 17 17 17 17 17	AL028C NCY - 300.00HH. ATA IRFAZ 187.20 167.50 157.50 167	BETAL/8 Z PE ASUBED CLARRED ADBPAL INFAG 1.4-0.2 1.4-	ETAC - 1.c16c67 T DISTRIBUTION IZEC GATA INFAZ 67.CCC77.4C	P/(APCA) Oriancio IA MAJVECT IAMEAL - 683 - 777 -	INIMAG INIMAG	- 003 - 025 - 055 - 055 - 100 - 125 - 125 - 125 - 228 - 228
- 106 - 150 - 1100 - 150 - 120 - 220 - 230 - 230 - 230 - 230 - 230 - 250 - 250	ALFAL/SET FREGUE RAM 0 IR**A9 2.*302 2.*302 1.*037 1.*037 2.*771 5.*304 6.*707 6.*70	AL028C ACY - 300.00MH. ATA IRFAZ IRF	BETAL/8 Z PE ASUBED CLARRED ADBPAL INFAG 1.4-0.2 1.4-	ETAC - 1.c16c67 T DISTRIBUTION IZEC CATA INFAZ 67.CCC68.CCC73.AC	PICAMPAL IMPAL SAPA S	INIMAG INIMAG	- 003 - 025 - 055 - 055 - 100 - 125 - 125 - 125 - 228 - 228

TABLE 3.2 (CONTINUED)

	DISTRIB	TION OF CLARES	T AND CHARGE				
	ALF AL /HE	TAL0310 ENCY . 300.00MP	BETAL/E	ETAC . 1.016	HILAM	CAO . 1.500	
	***			T CISTRIBUTION		2800	
	FA. 1			IZEC CATA	IN HAZVOLT		
2/1-	16"AS	IRFAZ	INPAG	INFAZ	INFEAL	INIMAG	Z/LAMDO
.002 .017 .033	**377 3*1*5 2**65	170.60 154.60 131.40 100.50 75.60	2.060	50.60 34.60 11.40 -19.50	1.304	1.592	.003
.033 50	2.295	131.40	2.06C 1.46C 1.16C 1.08C 1.26C	11.40	1-210	.840	-050
-:63	3.315	75.60 6C.CC			1.018 .900 .780	361 882 -1.351	-075 -100 -125
·117	5.142	5C.70	2.180	-69.3C -75.8C -8C.4C	-535	-1-759 -2-113	·150
•150 •167	5.652	36.00	2.660	-84.0C	278	-2.386 -2.645 -2.797	.500
-200	6.078	28.10	1.88C 2.18C 2.42C 2.66C 2.86C 2.86C 2.78C 2.68C 2.68C 2.68C 1.66C 1.96C 1.96C	-89.60 -91.90	-020	-2.860	·275
·217	5.695	25.90	2.780	-94-10 -96-40 -98-40	:599	-2.773	·325
·267	******	19.00	2.260	-1c1-cc		-2.216	·375
•300 •317	2.762	12.00	1.600	-103-80 -108-60 -112-70 -126-60 -154-00		-1-522	-+50
•350 •367	1.1.7	-34.00 -33.30	-86C	-126.60 -154.00	502 513 985	690	-500
.383	1.572	-117.00 -132.20	.7.C	-237.CC		.198 .621	•550 •575
.417	3.102	-139.20	1.96C 1.78C	-269.20	***274	1.434	·625
67	***** 5.312	-146.60 -148.80 -150.60	5.000	-266.60	**122	2.299	-675 -700
•500 •517	5.565	-152.5C -154.00	2.62C	-270.80 -272.50 -274.00	·035	2.500	·725
•533 •550	5.482	-155.20 -156.80	2.680	-275.20 -276.80 -278.40	.205	2.669	.775 .800
.583	4.845	-160.20	2.500	-278.40	*365	2.473 2.244 1.972	.850 .875
·617	4.293 3.697 2.932	-162.50 -165.00 -169.60	2.02C 1.74C	-282.5C -285.0C	••37 ••50	1.972	•900
-650 -667	2.252 1.445 .935	-169.60 -175.50 -190.00 -224.50	1.38C 1.06C .68C	-295.50 -310.00 -344.50	**************************************	.957	•975 1•000
.683 .700	1.20 1.657	-224.50 -277.30 -302.40	2-68C 2-68C 2-58C 2-59C 2-92C 1-74C 1-38C 1-06C -48C -48C -78C 1-16C	-344.50 -397.30	-382	-118 291 691	1.025 1.050 1.075
.733 .750	2.465	-314.50 -320.80	1.160	-422.4C -434.5C	·361 ·310	-1-118 -1-481	1-100
.767 .783	3.7.c	-323.70 -326.40	.08C .78C 1.16C 1.50C 1.76C 2.06C	-443.7C	1193	-1.749 -2.056 -2.319	1 · 125 1 · 150 1 · 175
.8CC	5.355	-328.20 -329.50 -330.40	2.520	-448.2C	.023	-2.520	1.200
-850 -867	5.615 5.738 5.652	-331.80	2.64C	-45C.4C	005	-2.640 -2.699	1.250
·900	5.452 5.482 5.142	-332.40 -333.20 -333.80 -334.70	2.66C 2.580 2.42C	-452.4C -453.2C -453.8C -454.7C	7:111 7:144 7:140	-2.576 -2.415 -2.193	1.355
•917 •933	3.952 3.188	-334 - 80	1.860	-454.7C -454.8C -455.2C	160 160 156	-2-193	1 - 375
.967	2.465	-335.50 -335.50 -335.50	1.160	-455.50 -455.50 -455.50	**111 **063	-1 -155 657 438	1.450
-989	.935	-335.50	***0	-455.50	-+042	38	1-484
		-335.50 B. MEASU	RED CHARGE DI	STRIBLTION IN F	100001/4017-	•	
2/+	AAN O	GRFAZ	GNMAG	GAFAZ	GAREAL	CNIMAG	
	10.000	-5-00	20.000		IN. SPA	-1.743	2/LAMDA0 +006
.004 .017 .033 .050	10.000 7.400 6.380	-6.30 -8.10	14.80C 12.76C	-5.00 -6.30 -8.10	19.929 14.711 12.633	-1.624	·025
.050 .067 .083	5.800 5.300 4.750	-1C-1C	11.600 1C.600 9.500	-1C-1C -12-7C -15-3C	10.341	-2.034 -2.330 -2.507	•075 •100
•100 •117	**200	-15.30 -18.30 -22.80	8.400	-18.3C	9.163 7.975	-2.638	150
•133 •150	3.600 2.960 2.350	-28.40	5.92C	-28.40 -37.50	3.729	-2-861	.200
•183 •200	1.700 1.320 1.350	-53.00 -80.00 -113.70	2.64C	-83-00 -80-00 -113-70	2.046	-2.400 -2.472	·250 ·275
·217	1.760	-139.3C	3.520	-139.3C	-2-669	-2-295	·325
·250	3.500	-161.7C	5.88C 7.00C	-163.90 -161.70 -167.00	-6.821	-1.575	·375
.283 .300	3.920 4.300	-17C.80 -174.00 -176.00	7.84C 8.60C	-170.80 -174.00	-7.739 -6.553	-1.253	• • 25 • • 50
•333 •350	4.670	-178.50 -180.20	9.34C 9.56C	-176.00 -178.50 -180.20 -182.00	-8.998 -9.337 -9.560	629 244 -033 -329	·500
•367 •383	4.720 4.580	-182.CO -184.CO -185.80	9-160	-182.00 -184.00 -185.80	,9.138	.329 .639 .849	•550 •575
• • 17	3.920 3.860	-187.70 -189.70	7.84C	-187.70 -189.70	-8-556 -7-769	1.050	•625 •650
50	2.950	-193.00	5.90C	-193.00	,6.749 .4.495	1:327	·675 •700
• 83 • 500	1.700	-205.CO -221.30	2.140	-205.00	-1.008	1.437	725
.533 .550	•950 1•500	-266.00 -314.00 -335.70	1.90C 3.00C	-266.00 -314.00 -335.70	1.320	1.367	.800 .825
.567 .583	2.140	-345.50 -350.70	4.28C 5.500	-345.50 -350.70	5.928	1.072	·850 ·875
.600 .617		-354.00 -356.50	7.900	-354.00 -356.50	7.386	·452	•900 •925
.617 .633 .650 .667	4.30C	-356.50 -358.20 -359.70 -361.20	8.600	-356.5C -358.2C -359.7C -361.2C -362.5C	8.400	188	1.000
•683 •700	3.700 4.050 4.300 4.500 4.600	-361.20 -362.50 -363.80	7.90C 8.10C 8.60C 9.00C 9.20C 9.20C 8.70C 8.70C 6.30C 5.48C 4.30C 2.04C 1.50C 2.04C 2.04C 2.04C 3.05C 2.04C 3.05C 3.05C 3.05C 3.05C 3.05C	-362.50	9.191	+52 -254 -045 -188 -+01 610 758 847 953	- 950 - 975 - 1000 - 025 - 1050 - 1075 - 1000 - 125 - 150 - 1275 - 1200 - 1275 - 1360 - 1275 - 1360 - 1360
.733	4.350 4.650 3.650	-365.00 -366.00	8.10C	-363.80 -365.00 -366.00 -367.50	8.054	* · 847	1.100
.750 .767 .783 .800 .817 .833 .850	3.150	-369.60 -371.70	6.30C	-369.60 -371.70	115.0	-1.051 -1.111	1-150
-500 -817	2.150	-375.00 -382.00	2.940	-375.00 -382.00	2.226	-1-101	1.552
-833 -850	•750 •470	-399.50 -472.00	1.50C .94C	-377.50 -472.00	382	7.872	1.275
.883 -900	3.650 3.150 2.740 2.150 1.470 .750 .475 1.020 1.750 2.500	-529·00 -535·00	3.50C 5.00C	-367.50 -369.60 -371.70 -375.00 -382.00 -399.50 -472.00 -518.00 -529.00	-3.436	953 -1-051 -1-111 -1-111 -1-101 954 872 764 648 230	1.325
.917 .933 .950	3.300	-538.00 -539.7	7.64C	-538 - 00 -539 - 70	-7-640	040	1-375
.950 .967 .983	2.500 3.300 3.820 4.450 5.150 5.250 6.580	-541.5 -542.8 -544.0 -544.5	6.60C 7.64C 8.90C 10.30C 11.70C 13.16C	-535.00 -535.70 -539.70 -541.50 -542.80 -544.00 -544.50	-10-268	-:040 :233 :503	1-375 1-400 1-425 1-450 1-475
.991	6.580	-159.70 -161.25 -164.50 -164.50 -164.50 -164.50 -164.50 -164.50 -167.50 -167.50 -167.50 -177.5	13-160	-544.5C	6 - 0-4 7 - 346 8 - 0-00 8 - 9-00 8 - 9-00 9 - 9-00	1.033	1-487

TABLE 3.2 (CONTINUED)

	ALFAL TE	TAL 12315	T AND CHARGE	ON MONOPOLE	MTENNA OVER	CAC . 1.000	
	FAETUE	NCY . 300.00M	-2 #	• -ce?			
		A. ME	ASURED CLERES	T CISTRIBLTION	IN PACERLY	- 12300	
	944	DATA		IZEC CATA			
2/-	18"43	IRFAZ			INREAL	INIMAG	Z/LAPDO
. 23	2.117	172.30 156.90		52.30	1.162 1.056 .945 .851	1.5C3 .793	•003
. 50	5.317	156.90	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	52.3c 36.9c 10.00	1.056	.793	
.100	2. 77	13C.CC 94.80 69.70 55.30	.9.0	-25.20	-851	-167 +00 908	*050 *075 *100 *125
.125	3.315	55.30	1.500	-5C-3C	• 75 • • 6 • 1 • 5 • •	-1.356	-100
·150	***111		1.860	-73.cc	.511	-1.779	-150 -175
.560	5.30	37.20	2.400	-62.80	.301	-2.138 -2.381	•200
.225	5.790	34.20	2.760	.85.8C	·192	-2.613	·225
.275	0.535	27.60	5.820	-96.50	**010	-2.820	.275
+325	0. 11	25.90	2.720	-94-10	108 104 269 326	-2.713	·275 ·300 ·325
•350 •375	5.795	54.10	5.650	-94 -10 -95 -50 -57 -80	269	-2.606	·350 ·375
25	4.665	20.50	2-120	-95.80		-2.089 -1.778	**00
50	3.227	13.60	1.820	-102.40 -106.40 -112.30			**25
.5pc	2 - 31	-7.10	1-100	-112.30		-1.016	.475
.525	1.547	-41.60		-161.8C	422	-1.016 558 131 .300	•500 •525
.575	1. 61	-124.30	- ACC	-106.40 -112.30 -127.10 -161.80 -216.70 -244.30 -256.00	375	.300	•525 •550 •575
.600	3.359	-136.00	1-180	-256.CC	585	.721 1.145 1.500	.600
:075		-143.90	1.450	-263.50	193	1.810	-650 -675
.700	2.304	-147.60	2.400	-266.CC	151	2.398	1700
.725	5.790	3 # # 60 2 # # 80 2 # 90 2 # 90 2 # 90 2 # 90 2 # 90 2 # 90 1 3 * 60 1 3 * 60 1 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	5.620	-256.CC -263.50 -264.CC -267.6C -265.CC -265.EC -271.EC -272.7C		2.620	1725
.775	0.100 0.184 5.967	-150.80	2.800	-270.80	•039	2.800	•750 •775 •800
.*25	5.534	-152.70	2.690	-271.EC	.15.	2.637	
· 650	5.525	-152.80	2.500	-272.8C -273.5C		2.497	·850 ·875
• 100	**335	-153.50 -153.70 -153.70	1.960	-513.00	•139 •126 •099	1.956	·900 ·925
.95c	2.052	-154-20	1.5.0	-273.7C	•099	1.537	·925
.975	1.591	-154.20 -154.20 -154.00	1.5.c 1.20c .72c .50c	-274.20 -274.00 -274.00	• 050 • 050 • 035	.718	.975
			1900	-274.00	-035	,,	-984
		B. PEASL	RED CHARGE CI	STRIBLTION IN	PICCOLL/VOLT-		
		B. MEASU		STRIBLTION IN	PICCOUL/VOLT-		
					PICCOUL/VOLT-	•	
1/-	##* 0	GRFAZ	GRMAG	SNEAZ	CNRFAL	CNIMAG	Z/LAMDAQ
.206	##* 0	GRFAZ	GRMAG	IZEC CATA	GNRFAL	CNIMAG	+006
.006 .025	98*A3	GRFAZ	GRMAG	SAFAZ -5.00 -6.10 -7.50	GNRFAL	CNIMAG	+006
.206	98*A3	GRFAZ	Ghmag 19-500 13-280 11-220	SNFAZ -5.CC -6.1C -7.5C -5.6C	GNRFAL	CNIMAG -1.700 -1.409 -1.616 -1.871	.006 .025 .050
.206 .25 .350 .375 .100	98*A3	GRFAZ	Ghmag 19-500 13-280 11-220	2NFAZ -5.CC -6:1C -7.EC -5.6C	GNRFAL 19.626 13.185 12.274 11.063 9.933	CNIMAG -1.700 -1.409 -1.616 -1.871 -2.039	+006 +025 +050 +075 +100
.206 .25 .350 .375 .100 .125 .150	#A+ 0	GRFAZ	Ghmag 19-500 13-280 11-220	SNFAZ -5.00 -6.10 -7.50 -5.60 -11.60 -13.40 -16.00 -20.20	GNRFAL 19.026 13.185 12.274 10.63 9.933 8.813 7.594 6.232	CNIPAG -1.700 -1.409 -1.616 -1.871 -2.039 -2.100 -2.178 -2.293	.006 .025 .050
.206 .25 .350 .375 .100 .125	75*A5 142 627 627 5.77# 5.77# 5.222 4.168 3.227	GPF AZ -5.00 -6.10 -7.50 -9.60 -13.40 -16.00 -20.20	Ghmag 19-500 13-280 11-220	SNFAZ -5.00 -6.10 -7.50 -5.60 -11.60 -13.40 -16.00 -20.20	GNRFAL 19.626 13.185 12.27 11.063 2.933 4.633 6.232 4.856	CNIPAG -1.700 -1.409 -1.616 -1.871 -2.039 -2.100 -2.178 -2.293	.006 .025 .050 .075 .100 .125 .150 .175
.206 .25 .350 .375 .100 .125 .150 .175 .200 .225 .250	75*A5 142 627 627 5.77# 5.77# 5.222 4.168 3.227	GPF AZ -5.00 -6.10 -7.50 -9.60 -13.40 -16.00 -20.20	Ghmag 19-500 13-280 11-220	SAFAZ -5-CC -6-1C -7-5C -11-6C -11-6C -25-5C -26-5C -34-6C -51-4C	GNRFAL 19.626 13.185 12.27 11.063 2.933 4.633 6.232 4.856	CNIMAG -1-700 -1-616 -1-616 -1-617 -2-0319 -2-198 -2-198 -2-293 -2-293 -2-293 -2-293 -2-293	-006 -025 -050 -075 -100 -125 -150 -175 -200 -225
.206 .25 .350 .375 .100 .125 .150 .175 .200	75*A5 142 627 627 5.77# 5.77# 5.222 4.168 3.227	GPF AZ -5.00 -6.10 -7.50 -9.60 -13.40 -16.00 -20.20	Ghmag 19-500 13-280 11-220	SAFAZ -5.CC -6.1C -7.5C -13.4C -12.2C -25.5C -31.4C -31.4C -31.4C -31.4C -31.4C -31.4C	GNRFAL 19.42 13.125 12.27 11.063 9.933 9.613 7.594 6.232 4.856 3.243 1.709	CNIMAG -1.700 -1.409 -1.416 -1.816 -2.178 -2.219 -2.293 -2.293 -2.237 -2.441 -2.4113	-006 -025 -055 -075 -100 -125 -150 -175 -200 -225 -250 -275
.206 .25 .350 .375 .100 .125 .150 .175 .200 .225 .250 .275	25*A7 10.*A2 6.426 6.476 5.772 4.686 4.687 2.771 2.771 1.*11 1.746 2.771 1.746	OFFAZ -5.60 -6.10 -7.50 -9.60 -11.60 -13.40 -25.50 -34.60 -34.60 -25.50 -25.80 -25.80	GNMAG 19.50c 13.26c 12.36c 11.22c 10.14c 9.00c 6.09c 2.74c 2.74c 2.74c 2.74c 2.74c 2.74c	SAFAZ -5.CC -6.1C -7.5C -13.4C -12.2C -25.5C -31.4C -31.4C -31.4C -31.4C -31.4C -31.4C	GNRFAL 19.626 13.185 12.274 11.063 9.933 8.813 7.594 6.232 4.856 3.243 1.707 1.107 1	CNIMAG -1.70C -1.409 -1.409 -1.4516 -2.039 -2.100 -2.233 -2.236 -2.237 -2.1413 -2.1413 -1.403	-006 -025 -055 -075 -100 -125 -150 -175 -200 -225 -250 -275 -300 -325
.206 .25. .075 .100 .125 .150 .175 .200 .225 .255 .275 .300 .325 .375	25*A7 10.*A2 6.426 6.476 5.772 4.686 4.687 2.771 2.771 1.*11 1.746 2.771 1.746	08FAZ -5.00 -6.10 -7.50 -3.60 -13.60 -13.60 -20.20 -25.50 -34.60 -51.40 -51.40 -51.40 -51.40 -51.40	GNMAG 19.50c 13.26c 12.36c 11.22c 10.14c 9.00c 6.09c 2.74c 2.74c 2.74c 2.74c 2.74c 2.74c	SAFAZ -5.0C -6.1C -7.5C -13.6C -14.6C -20.2C -25.5C -34.6C -51.4C -65.2C	5NBFAL 19.526 13.185 12.274 11.063 2.933 7.559 4.856 3.243 1.709 1.456 3.243 1.709 1.456 1.456	CNIMAG -1.700 -1.409 -1.4516 -1.879 -2.136 -2.136 -2.233 -2.316 -2.231 -2.1313 -1.603	.006 .025 .050 .075 .100 .125 .155 .200 .225 .250 .275
.206 .25. .35. .37. .100 .125 .150 .175 .201 .251 .251 .251 .275 .375 .375 .375	75*A3 10.**a2 0.**276 0.**276 0.**276 0.**2778 0.**20 1	20FAZ -5-60 -6-10 -7-50 -11-60 -11-60 -25-50 -24-60 -25-50 -24-60 -25-26 -25-80 -26-80 -26-80 -26-80 -166-70	GNMAG 19.50c 13.26c 12.36c 11.22c 10.14c 9.00c 6.09c 2.74c 2.74c 2.74c 2.74c 2.74c 2.74c	SAFAZ -5.0C -6.10 -7.50 -11.40 -12.50 -25.50 -24.40 -25.50 -24.40 -25.50 -24.40 -25.50 -24.40 -25.5	CNRFAL 19.426 13.185 12.274 11.063 9.933 4.819 4.259 4.259 1.709 1.777 1.416 2.927 4.451	CNIMAG -1.700 -1.409 -1.409 -1.4616 -1.4619 -2.438 -2.238 -2.238 -2.238 -2.238 -2.238 -2.238 -1.463 -1.463 -1.463 -1.463	.006 .025 .050 .075 .100 .125 .155 .200 .225 .250 .275 .300 .225 .350
.206 .25. .35. .37. .100 .125 .150 .175 .201 .251 .251 .251 .275 .375 .375 .375	10. 427 0. 427 0. 427 0. 476 0. 476 0. 476 0. 477 0. 477 0. 427 2. 42	URFAZ -5-00 -7-50 -7-50 -11-60 -13-60 -20-20 -21-80 -81-80 -18-80	GNHAG 19.500 12.200 12.200 12.200 12.200 12.200 2.700	2NFAZ -5.0C -5.1C -7.5C -11.4C -12.4C -20.2C -21.4C	5 AFFAL 19.626 12.274 12.274 2.933 2.637 7.933 4.636 3.243 1.7709 1.	GNIHAG -1-70C -1-4059 -1-871 -2-039 -2-109 -2-236 -2-231 -1-603 -1-603 -1-603 -1-603 -1-603 -1-603 -1-603 -1-603	-006 -025 -050 -075 -100 -125 -150 -175 -200 -225 -275 -300 -125 -350 -375 -000 -225 -350 -350 -350 -350 -350 -350 -350 -35
.206 .25 .050 .075 .075 .125 .125 .125 .225 .225 .230 .325 .375 .375 .375 .375 .375 .375 .375 .375	14-A3 10-42 0-27 0-27 5-72 5-72 5-72 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-2	URFAZ -5-00 -7-50 -7-50 -11-60 -13-60 -20-20 -21-80 -81-80 -18-80	GNHAG 19.500 12.200 12.200 12.200 12.200 12.200 2.700	SAFAZ -5.CC -5.1CC -11.4CC -11.4CC -12.4CC -24.4CC -2	CNBFAL 13-124 13-125 11-263 11-263 2-333 4-353 4-353 4-353 1-707 1-2-327 1-707 1-2-327 1-707 1-2-327 1-707 1-2-327 1-707	CNIPAG -1.700 -1.4096 -1.4096 -1.4096 -1.4097 -2.1009 -2.2039	-006 -025 -050 -075 -100 -125 -150 -175 -200 -225 -275 -300 -125 -350 -375 -000 -25 -350 -350 -350 -350 -350 -350 -350 -35
.006 .25 .050 .076 .100 .125 .150 .125 .25 .25 .25 .25 .25 .25 .25 .25 .25	16-45 10-10-2 0-10-0 0-10-0 0-10-0 0-10-0 0-10-0 0-10-0 0-10-0 0-10-0 0-10-0 0-10-0 1-0 1	GOF AZ -5-60 -6-10 -7-50 -13-60 -13-60 -13-60 -25-60	Ghmag 33-snc 13-snc 13-snc 14-sac	SAFAZ -5.CC -5.1CC -11.4CC -11.4CC -12.4CC -24.4CC -2	CNBFAL 13-124 13-125 11-263 11-263 2-333 4-353 4-353 4-353 1-707 1-2-327 1-707 1-2-327 1-707 1-2-327 1-707 1-2-327 1-707	CNIPAG -1.700 -1.4096 -1.4096 -1.4096 -1.4097 -2.1009 -2.2039	-006 -025 -050 -075 -100 -125 -150 -175 -200 -225 -250 -275 -300 -325 -300 -325 -350 -355
- 206 - 25 - 056 - 075 - 100 - 125 - 125 - 125 - 225 - 2	15*A5 10**A5	GOF AZ -5-60 -6-10 -7-50 -13-60 -13-60 -13-60 -25-	Ghmag 33-snc 13-snc 13-snc 14-sac	SAFAZ -5.CC -5.1CC -11.4CC -11.4CC -12.4CC -24.4CC -2	CNBFAL 13-124 13-125 11-263 11-263 2-333 4-353 4-353 4-353 1-707 1-2-327 1-707 1-2-327 1-707 1-2-327 1-707 1-2-327 1-707	GNIHAG -1-70C -1-406 -1-606 -1-607 -1-671 -2-039 -2-109 -2-293 -2-231 -2-113 -2-113 -2-113 -1-603 -1-603 -1-603 -1-603 -1-603 -1-603 -1-603 -1-603 -1-603 -1-603 -1-603	-006 -025 -050 -075 -100 -125 -150 -175 -200 -225 -275 -300 -125 -350 -375 -000 -25 -350 -350 -350 -350 -350 -350 -350 -35
-206 -225 -359 -375 -109 -1255 -1159 -225 -225 -225 -2355 -3355 -3355 -3455 -3556 -5566 -5566 -5576 -625	14-43 1-12-0-25 0-27-0	GOF AZ -5-60 -7-50 -13-60 -13	\$30-44 Ghmag 19.5nc 11.78cc	TAFAZ -5.0C -7.5C -11.4C -12.4C -13.4C -13.4C -13.4C -14.6C -13.4C -14.6C -14.	CARFAL 19-126 13-125 12-27-125 12-27-125 11-06-27-125 2-28-125 11-06-27-125 12-29-125	CNIHAG -1.700 -1.409 -1.409 -1.409 -1.409 -2	- 006 - 025 - 055 - 055 - 150 - 155 - 155 - 200 - 225 - 275 - 300 - 225 - 275 - 375 - 375
- 206 - 25 - 056 - 075 - 100 - 125 - 125 - 125 - 225 - 2	15*A5 1	GOF AZ -5-60 -7-50 -13-60 -13	\$30-44 Ghmag 19.5nc 11.78cc	TAFAZ -5.0C -7.5C -11.4C -12.4C -13.4C -13.4C -13.4C -14.6C -13.4C -14.6C -14.	CARFAL 19-20-20 12-10-4 12-10-4 12-10-4 11-0-3 1-0-3 1-0-	CNIHAG -1-700 -1-409 -1-409 -1-409 -2-4030 -2-293 -	- 006 - 025 - 055 - 055 - 150 - 155 - 155 - 200 - 225 - 275 - 300 - 225 - 275 - 375 - 375
- 206 - (.28) - (.36)	14-43 1-12 0-27 0-27 0-27 0-27 0-27 0-27 0-27 0-2	GOF AZ -5-60 -7-50 -13-60 -13	\$30-44 Ghmag 19.5nc 11.78cc	TAFA Z -5.0C -6.1C -7.5C -11.4C -12.4C -	CARFAL 19-20-20 12-10-4 12-10-4 12-10-4 11-0-3 1-0-3 1-0-	CNIHAG -1-700 -1-409 -1-409 -1-409 -2-4030 -2-293 -	-004 -025 -020 -025 -020 -025 -125 -125 -200 -127 -203 -203 -203 -203 -203 -203 -203 -203
- COB - COB	14-A3 12-142 0-127 0-12	UPF AZ -5.40 -6.10 -6.15 -6.15 -6.15 -6.15 -6.16 -6.1	\$30-44 Ghmag 19.5nc 11.78cc	25FAZ -5.0C -7.5C -7.5C -13.4C -14.6C -17.6C CARFAL 19-20-20 12-10-4 12-10-4 12-10-4 11-0-3 1-0-3 1-0-	CNIMAG -1-700 -1-409 -1-409 -1-616 -1-671 -2-039 -2-198 -2-198 -2-198 -2-198 -2-198 -2-198 -2-198 -3-198 -1-188 -188	.004 .025 .025 .050 .055 .100 .122 .123 .123 .250 .273 .250 .273 .250 .273 .250 .273 .250 .250 .273 .250 .250 .250 .250 .250 .250 .250 .250	
-206 -(28) -(39) -(39) -(39) -(19) -(19) -(19) -(19) -(20) -(27) -(20) -(27) -(20) -(27) -(20) -(27) -(20) -(27) -	35*A5 10-149 0-127 0-127 0-127 0-127 0-127 1-108 1-120 1	URF AZ -5-60 -7-50 -7-50 -11-60 -11-	\$39.500 \$24.500 \$24.500 \$24.500 \$24.500 \$10.100 \$3.500 \$4.500	25FAZ -5.0C -7.5C -7.5C -13.4C -14.6C -17.6C CARFAL 19-12-2-12-12-12-12-12-12-12-12-12-12-12-1	GNIHAG -1-70C -1-4064 -1-606 -1-4076 -1-871 -2-039 -2-109 -2-2-31 -2-113 -2-113 -2-113 -2-113 -1-603	.004 .025 .050 .075 .100 .123 .100 .275 .100 .275 .270 .270 .270 .270 .270 .270 .270 .270	
- COB - COB	14-A3 12-12 0-27 0-27 0-27 1-22 1-22 1-22 1-22 1-24 1-25	URF AZ -5-60 -7-50 -7-50 -11-60 -11-	19.5nc 12.7sc 13.7sc 13	25FAZ -5.0C -7.5C -7.5C -13.4C -14.6C -17.6C CARFAL 13-12-6 13-12-5 13-12-5 11-02-3	CNIMAG -1.700 -1.409 -1.409 -1.409 -1.409 -2	.004 .025 .025 .025 .025 .025 .026 .027 .020 .028 .028	
- COB - COB	15*A5 15*A5 0**27	UPF AZ -5.40 -6.10 -7.50 -7.50 -11.60 -11.60 -20.20 -25.50 -21.40 -25.50 -27.3	19-9nc 11-19-0	SAFAZ -5.0C -17.0C -17.0C -11.4C -11	CARFAL 19-174- 13-125- 12-125- 11-025-	CNIMAG -1-700 -1-409 -1-409 -1-401 -1-616 -1-671 -2-039 -2-193 -2-194 -2	.004 .025 .050 .075 .100 .123 .100 .275 .100 .275 .270 .270 .270 .270 .270 .270 .270 .270
- 106 - 1376 - 1076 - 1076 - 1076 - 1086 - 1188 - 1276 - 1286 - 1	15*A5 15*A5 0**27	OFF AZ -5 -6 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9	\$39-44 \$19-5-6 \$19-5-6 \$14-386 \$14-	TARE CATA -5.0C -6.1C -7.5C -11.4C -	CARFAL 19-174- 13-125- 12-125- 11-025-	CNIMAG -1.700 -1.409 -1.409 -1.410 -1.2039 -1.410 -2.2039 -2.2031 -2.2316 -2.2	.004 -025 -050 -075 -1000 -075 -1000 -075 -1000 -075 -1000 -075 -1000 -075 -075 -075 -075 -075 -075 -075 -
- 006 - 027 - 027 - 1025 - 1305 - 1305 - 1305 - 225 - 225	15*A5 10*A5 0*20 0*27 0*20 0*27 0*22 0*22 0*22 0*22	UPF AZ -5.40 -6.10 -7.50 -7.50 -11.60 -11.60 -20.20 -25.50 -21.40 -25.50 -27.3	19-9nc 11-19-0	SAFAZ -5.0C -17.0C -17.0C -11.4C -11	CARFAL 19-10-6 112-125- 11-125	CNIMAG -1-700 -1-409 -1-409 -1-401 -1-616 -1-671 -2-039 -2-193 -2-194 -2	-006 -025 -050 -078 -1006 -078 -1006 -125 -2007

TABLE 3.2 (CONTINUED)

	LISTRIE	TION OF CLARENT	AND CHARGE	BA FBABPELE A	ATENNA BYER	RESP MATER	
		AL0310		BETAC . 1.016		CAO500	
	FREGUE	ENCY . 300.00++1		Ece7	DILAMEAG	2500	
		A. ME	SURED CLARE	NT CISTRIBLTION	IN PAZVOLT		
	944 0	DATA	NORM.	LIZEC CATA			
2,-	18*40	IRFAZ	INFAG	INFAZ	INREAL	INIMAG	Z/LAMDO
·1106	3.759	:72.00	1.700	52.00	10000		2724-00
•:50	2.545	154.20	1.190	34.20	1.097	1.340	.003
.100	: 77	121.50	.8+0	1.50	.943	.641	.025
.150	1.922	85.50	-86C	-34.50	.4.0	*055	.050
.200	2.727	63.50	1.250	-56.50	•709	487	.075
.250	3.575	51.20	1.600	-68.80	.673	-1-017	-100
·300	**157	45.30	1.860	-74.70	.579	-1 -492	.125
	**917	4C.50	2.200	-72.50		-1-794	-150
0	5.495	37.40	2.460	-82.60	**01	-2-163	•175
.450	6. 35	35.00	2.700	-85.CC	.317	-2.440	.500
.500	0.258	33.30	2.800		.532	-2-690	.225
.550	6.303	31.60	2.850	-86.7C	*161	-2-735	.250
.600	0.213	30.50	2.780	-88.40	.079	-2-819	.275
.650	6 . 35	29.40	2.700	-89.50	+50+	-2-780	.300
.700	5.567	28.60	2.500	-90.60	**028	+2.700	.325
.75c	5.185	27.70		-91.40	061	-2-499	.350
.800	4.381	27.30	2.320	-92.3C	093	-2-318	•375
.450	3.487	26.60	1.560	-92.7C	092	-1-958	00
.900	2.482	26.60	1.200		033	-1-557	.425
.950	1.520	26.80	.680	-93.4C	**071	-1-198	.450
.965	1 73	26.60	-+80	-93.2C	036	**679	+475
			.400	-33.50	027	+79	****
		B. MEASUR	FD CHARGE C	STRIBLTION IN	PICCOUL/VOLT-		
	SA- D	ATA	NORMAL	IZEC CATA			
2/4	JRYAG	GRFAZ	GNFAG	GNFAZ	CHREAL	CNIMAG	Z/LAMDAO
12	17. 42	•00	19.500				
• . 50	7.282	****	19.500	•00	19.500	.000	-006
-160	0.273	-2.10	12.180	-2.10	14.139	**197	.025
.150	5.575	-4.00	11.020		12.172		-050
.200	5.119	-4-50	9.940	-4.cc	10.993	769	• 075
.250	***19	-6.60	8.5ac	-4.5c	9.909	780	•100
•300	3.*21	-8.70	7.420	-6.60	8.523	986	•125
.350	3.214	-11.50	6.240	-8.7C	7.335	-1-122	•150
.+co	2.565	-16.20	4.980	-11-5C	6.115	-1-244	•175
50	1.013	-25.20	3.520	-16.20	4.782	-1-389	.500
.500	1.051	-44.40	3.520	-25.20	3.185	-1-499	.225
.550	.731	-96.5C		-44.40	1.958	-1-427	.250
.600	1.17.	-1+1.20	2.285	-96.50	161	-1-+11	.275
•550	1.895	-158.2C	3.640	-1+1-20	-1.777	-1-429	•300
.700	2.625	-165.10		-158.2C	-3.417	-1-367	•325
.750	3.461	-169.60	5.10C 6.72C	-165.1C -169.60	**.929	-1-311	•350 •375
.400	4.217	-172.30			-6.610	-1-213	
.850	****	-174.30	7.8CC	-172.30	-7.73C	-1-045	• • 00
•900	5.377	-174.3C -175.8C	9.060	-174.30	-9.015	**900	+425
.950	6.124	-175.80	10-++C	-175.8C	-10-412	**765	• • • 50
.374	0.129	-177.80	11-900	-177-30	-11.887	**561	• 475
	024	-1//.80	13.260	-177.80	-13.25C	509	•487

TABLE 3.2 (CONTINUED)

	L15*#18	CTION OF CLAME	T AND CHARGE	-	ANTENNA OVER	SALT MATER	
				BETAC . 1.109	H/LA	PCA0 . 1.500	
	FRESU	ENCY . 300.00M		£ . 2.405	DILAPCAD	• .0100	
	544			NT CISTRIBLTIO	IN MAJVOLT		
2/-	16*40	IRFAZ	INPAG	INFAZ	INREAL	INIMAG	Z/LAMDO
: 17	1, -, 01	130.00	7.300				
- 33 - 55 - 67	1 01 5.261 5.549 7.754	13C.C0 121.80 113.10 103.20 92.C0	7.300 6.760 6.240 5.660 5.120	21.80	6.322 6.277 6.076 5.651 5.070	3.650 2.510 1.414 .316	-003 -025 -050 -075
	0.12	92.00	5.120	3.20	5-651	713	.075 .100
1117		62.10		-22.00 -37.90	*****	-1.753 -2.715	.125
.15	6.35	29.00 15.00		-22.00 -37.90 -55.40 -71.00	2.510	-3-636	·150 ·175 ·200
·167	753	*•00	5.02C 5.92C	-85.00 -96.00 -104.90	569	-5-001 -5-410	.225
.200	8.00	-12.50		-112.50 -119.20	-1-522	-5.721 -5.802	·275
.233 .25n	9.198	-19.20 -24.70 -36.10	6.60C	-119.20 -124.70 -130.10	-3-220	-5.761 -5.640 -5.278	.325
.267	9.394	-35.20	6.90C	-135.20		-4.834	.375
·300	****	-9.20	6.200	-135.20 -14C.50 -149.20 -152.80 -16C.40		-3-175	.425
.333	7. 69	-52.80 -60.40 -69.30 -81.00 -97.50	5.66C 5.16C	-160.40	-5-03-	-2-567 -1-731	-500
.367	5.1.2	-81.00 -97.50	3.68C	-165.30 -161.00 -197.50 -217.90	-3-679	798 -064 -932	-525
••00	3.463	-117.90 -140.30	3.100 2.820 2.840	-217.9C	-5-552	1.732	-600
50	5.196	-159.60 -174.40 -185.60	3.20C 3.720	-259.60	576	3.147	-650
83	5.491 6.717 7.394	-185.00 -192.80 -198.90	*.30C *.90C 5.40C	-274.40 -285.00 -292.80 -298.90		4.153	-700
•500 •517	7.394	-198.90	5.40C 5.80C 6.06C	-298.50	2.610	4.728	-750
550	5.412	-204.00 -208.00 -211.80 -215.20 -218.50	6.060	-3c8.00	3.731	* · 808 * · 775 * · 577	-800
.583	0.330 0.001	-215.20 -218.50	5.8-0	-3C*-0C -3C*-0C -311-8C -315-2C -318-5C -321-8C	*****	3.870	·850 ·875
·617	0.003	-221.80 -225.50	5.40C		3-972	3.339	.900
-650	5.644	-225.50 -230.00 -235.80	****C	-33C.00 -335.80	3-568	2.060	·950
.683	2.544	-245.30 -261.00	1.860	-345.30 -361.00	**092 **31* **274 **2** 3*972 3*968 3*138 2*534 1*860 1*179	032	1.000
.717	2.028 2.932	-291.30 -332.00	1.38C 1.48C	-391.30 -432.00	1-179	-1.408	1.050
.750 .767	3.946	-359.70 -372.00	2.140	-459.70 -472.00	-1-079	-2.109	1.100
.783 .800	5.746	-372.00 -379.00 -383.80 -387.20	3.58C	-479.CC -483.8C -487.2C -489.6C -491.1C	-1-736	-3-131 -3-606	1-150
·*17	7.394 0.101	-389.60 -391.10	5.40C	-489.60	-3-442	-3.951	1.500
.867	8 • 56 7 • 891	-392.8c	5.84C 5.88C 5.76C	-493-70	-3-995 -3-979	-4.401 -4.314 -4.164	1.275
·883	7.072	-395.00 -395.80	5.760 5.600 5.260	-495.00 -495.80	-3-960	-4-164 -3-960 -3-667 -3-257 -2-735 -2-136	1.300 1.325 1.350
.917	5.453	-396.60	4.74C 3.98C	-496.60 -496.60	-3-444	-3.257	1.375
•950 •967	3.261	-396.80 -397.10	3.12C	-496-80	-2-274	-2-136	1 . 425
·983	1.289	-396.80 -397.10 -397.20 -398.00	1.420	-497.10 -497.20 -498.00	-1-042	965	1.450
		B. PEASU	RED CHARGE CI	STRIBUTION IN	P (C 0 U / V 0) T -		
	RA- D	ATA	NORMAL	SZED DATA			
2/=	GRMAG	GRFAZ	GNMAG	GNFAZ	GNREAL	CHIMAG	Z/LAMDAG
•017 •633	8 • • 67 7 • • 59 7 • 560	+C -10.00 -19.70 -27.30 -34.70	26.88C 23.68C 24.00C 25.12C 25.92C	-10.00 -19.70	26.879 23.320 22.595 22.322 21.310	188 -4-112 -8-090	•006 •025 •050
•050 •067	7.560 7.913 8.165	-19.70 -27.30	24.00C 25.12C	-19.70 -27.30 -34.70	22.595		•075
•083 •100	8.165 8.366 8.417	-34.70 -41.40 -47.60	25.92C 26.56C 26.72C	-34.70 -41.40 -47.60	21.310 19.923 18.017	-14-756 -17-564 -19-732	·100
·117	8.316	-53.70	26.400	-53.70	15.629 12.679		•150 •175
-150	7.560	-53.70 -59.70 -66.30 -73.00	26.40C 25.12C 24.00C	-53.70 -59.70 -66.30		-21-688 -21-976	.200
•183 •200	5.393	-81-20	19.200 17.120	-73.00 -81.20 -90.90	6.315 2.937	-18-974	·250 ·275
.217	4.738 4.353	-90-90 -103-70 -119-50	15.640	-103-70	-3.562	-17-118	•300
·250	**133	-138.20	13.12C 13.50C	-119.50 -138.20	-6.805 -9.781 -12.427	-8.745	.375
.300	5.141	-157.00 -173.40 -187.20	14.720	-157.00 -173.40 -187.20 -198.00	-14.622	2.045	.425
·317	5.846	-198.00	18.56C 2C.16C	-198.0C	-17.652	5.735	• 475
•350 •367	7.056	-212.8C	21.44C 22.40C 23.10C	-206.20 -212.80 -218.40	-18.089 -18.082 -17.555	11.614	·525
•383	7.276	-223.40	23.36C	-223.40	-16.784	15.872	•575 •600
33	6.80+	-236.30	22.720	-232.10 -236.30	-13.957 -11.985	17.928	·625
.467	5.796	-241.00	18.400	-241.00	-7.929	17.912	·675 •700
500	**133	-261.00	15.62C 13.12C	-252.40	-2.052	14.889	·725
-533	2.671	-292.60	8.48C 7.52C	-273.60	3.259	7.829	.775 .800
•567	2.369 2.637 3.226	-32C.50 -348.7C	8.36C	-32C.5C -348.7C -368.6C	8.198	1.636	.850
•600	44.32	-368.6C -381.40	15-900	-381.40	11.918	-1-531	.900
.633	4.788 5.342 5.497	-395.00 -395.00	15.20C 16.96C 18.72C 19.84C 20.96C	-381.40 -389.30 -398.00 -399.30 -402.60 -405.50	13.893	-4.670 -7.439 -9.728 -11.657 -13.429 -14.950	•900 •925 •950 •975
·667	6.250	-402-60	19.840	-+C2-60	14.604	*13.429	1.000
.617 .633 .650 .667 .683 .700 .717 .733 .750 .767	5.797 6.250 6.602 6.703 6.602 6.300 5.494	-361.40 -369.30 -395.00 -395.00 -402.60 -405.50 -406.00 -410.10 -412.20 -416.50	21.280	-410-10	14.239	-15.814 -16.080 -15.803 -14.163	1.000 1.025 1.050 1.075
.733 .750	5.494	-412.20	20.00C	-412.20	12.258	*15.803 *14.163	1.100
.767 .783	4.324		16.000	-416.5C	11.918 13.255 13.893 14.486 14.469 14.691 13.445 12.258 10.177 8.831 7.046 5.012 2.733	-13.342 -11.819 -9.837 -7.348	1.150
.800 .817	2.470	-+23.00	11.040	-423.00	8.012	-9.837 -7.348	1.500
.500 .817 .833 .850	3.478 2.470 1.329 .743 1.392	-445.80	2.360	-5c3.80	-1.909	-1.394	1.250
	2.419	-423.00 -429.60 -445.80 -503.80 -559.70 -575.30	4.22C 2.36C 4.42C 7.68C	-559.70 -575.30	-4-244	1.490	1.300
·900	3.528 4.536	-581.40		-581.40	-10-288	10.075	1.350
.900 .917 .933 .950	2.*19 3.528 4.536 5.1+1 5.846 6.552	-581.40 -584.40 -586.40 -587.60 -588.30 -588.80	14.40C 16.32C 18.56C 20.80C	-419.20 -429.60 -429.60 -445.80 -559.70 -575.30 -581.40 -584.40 -586.40 -588.80	2.733 .309 .1.900 .4.161 .6.268 .8.401 .10.288 .11.255 .12.515 .13.537 .15.282	-7.248 -4.209 -1.394 1.490 4.438 7.407 10.075 11.818 13.706 15.530	1.225 1.275 1.300 1.325 1.350 1.375 1.400 1.425 1.450
.983 .991	7.308 8.014	-588.80 -589.00	23.20C 25.4+C	-588.80 -589.00	-13.837 -18.282 -16.690	17.456 19.200	1.475

TABLE 3.2 (CONTINUED)

	AL ALVET	AL0660	BETAL/B	ETAC . 1.109	H/LA	CAO . 1.000	
	FHETUE	NCY . 300.00MHZ	PE	. 2.445	D/LAPCAD	.0100	
		A. MEAS	URED CURREN	T CISTRIBUTION	IN MAZVOLT		
	RA- D	ATA	NORMAL	IZEC CATA			
2/-	16~40	IRFAZ	INMAG	INFAZ	INREAL	INIMAG	Z/LAPD
•=03	9.010	158.50	5.740	38.50	4+492	3.573	+003
. 25	7.7.5	150.00	4.820	30.00	4-174	2.410	.025
• 15 g	0.091	138.40	**080	18.40	3-871	1.288	•050
. 75	5.009	123.00	3.420	3.00	3-415	.179	-075
-100	• • 953	103.20	3.020	-16.8C	2 - 891	873	-100
.125	***87	*C+4C	2.940	-39.20	2.309	-1.883	*125
130	5.*12	59.20	3.300	-60.80	1.010	-2-481	-150
.175	0.396	42.60	3.900	-77.40	.451	-3-806	-175
.200	7.511	31.30	* . 5 a C	-88.7C	*10*	-4-579	.200
.225	5.552	23.10	5.30C	-96.90	637	-5.262	.225
.250	9.610	17.30	5.86C	-102.70	-1-288	-5-717	.250
.303	1165	12.30	6.320	-1C7.7C	-1-921	-6-021	.275
.325	10.690	8.70	6.640	-111.3C	-5-415	-6-186	-300
.350	11.021	**70	6.720	-115.30	-2-472	-6.075	.325
.375	11. 21	1.70	6.720	-118.3C	-3-186	-5-917	.350
	10.594	-1.60	6.46C	-121.6C	-3-385	-5.5C2	-375
.+25	9.607	-4.90	5.980	-124.90	-3-421	-4.905	00
50	7.613	-8.60	5.360	-128.60	-3-344	-4-189	.425
75	0.298		**6*0	-132.80	-3-153	-3.405	.450
-500	• • 756	-18.50 -28.20	3.840	-138.5C	-2-876	-2.544	.475
.525	3.346	-43.20	2.900	-148.20	-2-465	-1.528	•500
.550	2.427	-74.70	2.0.0	-163.20	-1-953	590	.525
.575	6.358	-115.70	1.480	-194.70	-1 -432	.376	-550
.600	3.739	-143.80	1.560	-235.7C	879	1.289	.575
.025	5.215	-156.40	5.58C	-263.8C	246	2.267	•600
.650	0.265	-163.00	3.18C	-276.40	.354	3.160	.625
.675	7.010	-167.60	3.820	-283.0C	.859	3.722	-650
•700	5.592	-17C.6C	**6*0	-287.6C	1.403	4.423	-675
.725	9.610	-173.00	5.30C	-290.60	1.865	4.961	•700
.750	10.102	-174.20	5.860	-293.CC	5.530	5.394	.725
.775	10.365	-175.80	6.16C	-594.50	2.525	5.619	•750
.800	1	-177.1C	6.320	-295.8C	2.751	5.690	•775
.825	9.000	-178.20	6.10C	-297 · 1C	2.779	5.430	.800
.850	9.217	-179.00	5.620	-298.2C	2.935	5.288	.825
. 175	1.266	-179.50		-299.CC	2.725	4.915	.850
.500	6.755	-179.6C	5.C.C	-299.50	2.485	4.387	.875
.925	5.412	-180.00	3.3UC	-295.60 -3CC.CC	2.065	3.634	•900
.950	4.102	-18C-3C	3.300		1.650	2.858	.925
.975	2.236	-180.50	1.400	-3CC -3C	1.531	2.107	.950
.984	1.509	-18C.70	.920	-3CC+5C	•711	1.206	-975

B. MEASURED CHARGE DISTRIBUTION IN PICCOUL/VOLT-F

2/4	-R"AG	URFAZ	GNMAG	GNFAZ	GNREAL	CNIMAG	Z/LAMDAO
+006	9.934	5.00	24.500	5.00	26.399	2.310	+006
.025	5.767	*.7C	23.380	*.7C	23.378	286	.025
50	9.345	-6.5C	24.120	-6.50	23.965	-2.730	+050
.075	9 - 195	-11-60	24.520	-11-6C	24.019	***930	+075
.100	9.292	-16.00	24.780	-16-00	23.820	-6-830	•100
.125	9.090	-20.70	24.240	-2C-7C	22.675	-8-548	+125
.150	5.797	-24.70	23.460	-24.70	21.314	-9-803	•150
.175	0 . 445	-29.20	25.520	-29.20	19.458	-10-987	•175
.500	7.552	-33.40	20.140	-33.40	16.814	-11-087	.200
.225	5.365	-39.90	16.96C	-39.90	13.011	-10-879	.225
.250	5.319	·47.70	14.180	-47.70	9.543	-10-488	.250
.275	4.293	-59.50	11.440	-59.50	5.806	-9-857	.275
·3CO	3.382	-78-10	9.020	-78.1C	1.860	-8.826	•300
.325	2.340	-1C6.3C	7.840	-106.30	-2.200	-7-525	.325
·350	3.277	-135.20	8.740	-135.20	-6.202	-6-158	.350
.375	4.073	-156.CC	1C-86C	-156.0C	.9.921	-4.417	•375
	5.17	-169.10	13.380	-165-1C	-13-139	-2-530	• • • • •
. 425	0 - 15	-177.6C	16.040	-177.6C	-16.026	• • 672	++25
.450	7. 05	-183.20	18.680	-183.20	-18.451	1.043	++50
75	7,702	-187.90	20.540	-187-90	-20-345	2.823	+475
.500	8-100	-191.40	21.600	-191.4C	-21-174	4.269	.500
.525	8.497	-194.30	55.660	-194-30	-21.958	5.597	+525
.550	4.595	-196.60	25.920	-196-60	-21.965	6.548	•550
.575	5.420	-198.70	22.400	-198-70	-21.218	7.182	•575
• • • • •	8. 47	-20C.70	21.460	-2CC-70	-20-075	7.586	•600
.625	7.252	-203.00	19.340	-203.00	-17-803	7.557	.625
.650	6.457	-205-10	17.220	-205.10	-15.594	7.305	+650
+675	5.517	-207.90	14.980	-207.90	-13.239	7.010	+675
•700	***70	-211.50	11.920	-211-50	-10-163	6.228	•700
.725	3.082	-217.80	8.220	-217.3C	-6.495	5.038	•725
.70	1.717	-233.50	4.580	-233-50	-2.724	3.682	•750
.7 5	.962	-290.00	2.560	-290.00	.876	2.406	•775
.5 3	1.7.0	-347.50	*.64C	-347.5C	4.530	1.004	-800
.8	3.030	-363.30	8.080	-363.3C	8.047		.825
.050	4.717	-37C-90	12.580	-37C-9C	12.353	-2-379	.850
.675	5.715	-372.70	15.240	-372.70	14.867	-3-35C	.875
.900	6.457	-374.3C	17.220	+374.3C	16.684	-4.253	.900
.925	7.357	-375.60	19.620	-375.6C	18.897	-5-276	.925
.950	8.347	-376.30	55.560	-376.3C	21.365	-6.248	.950
.975	9.240	-376.60	54.640	-376.BC	23.588	-7-122	.975
.987	2.738	-377.0C	26.500	-377.0C	25.342	-7-748	.987
. 70/	2.730	-3,7,00	ea.500	-3//100			*907

TABLE 3.2 (CONTINUED)

	0151618	LTION OF CLARE	NT AND CHARGE	ON PONUPOLE	ANTENNA OVER	SALT MATER	
	ALFAL/BE	TAL0407 ENCY . 300.00M	BETAL	BETAC . 1.047	HALA	MCA0 . 1.500	
		A. M	EASURED CURRE	E . 2.685 NY DISTRIBUTIO	D/LAMDAD	0200	
	944	DATA	A. A.C.M.	LIZED DATA			
2/4		18FAZ 16C-6C 149-30 134-50 115-60 92-90	INMAG	INFAZ	INREAL	INIMAG	Z/LAMDO
•002 •017 •033 •050	6.116 6.014 5.685	149.30 134.50	3.740 3.140 2.620 2.280 2.200 2.400	*5.60 3*.30 19.50 .60	2.617 2.594 2.470 2.280	2.672 1.769 .875	.003
•050 •067 •083	4.774	115.60 92.90		-55-10	2.580	.875 .024 828	*025 *050 *075 *100
·100	5.20A 6.033 7.248	81.50 55.10 •2.80	2.780	-22.10 -33.50 -59.90 -72.20	2.038 2.001 1.394 1.051		-125 -150 -175
•133 •150	8.246 9.331 10.069	27.90	3.340 3.800 4.300	-8C-6C -87-10	.621	-2.405 -3.180 -3.749 -4.294	·175
·183 ·200 ·217	10.763	18.40	3.80C 4.30C 4.64C 5.96C 5.12C 5.16C 4.92C 4.72C	-92.40 -96.60	194	-4.636	·200 ·225 ·250 ·275
.233	10.980 11.110 11.197 10.676	14.60 11.10 7.90 4.40	5.12C 5.16C	-100.40 -103.90 -107.10	913 -1-230 -1-517	-4.977 -4.970	•300 •325 •350 •375
·250 ·267 ·283	9.240	-3.00		-107.10 -110.60 -114.00 -118.00	-1.517 -1.731 -1.920 -2.009	-4.932 -4.605 -4.312 -3.779	·375
•300 •317 •333	8.072 6.357 5.642	-7.80 -14.00 -23.10	3.720	-129.00	-2.015	-3.127 -2.456 -1.736	+400 +425 +450 +475
•350 •367	3.342	-38.00	2.60C 1.94C 1.54C 1.48C	-153.CC -176.8C	-1.935 -1.729	-1.736 881	-500 -525 -550 -575
•383 ••00	3.212 3.949 5.678	-94.40 -120.90 -137.50 -147.20	1.820	-153.cc -176.8c -209.4c -235.9c	-1-289	881 086 -727 1-507 2-232 2-913	•575 •600
••50 ••67	5.078 6.380 7.595	-153.60	2.94C 3.50C	-252.50 -262.20	-1.020 704 399	2.232	-600 -625 -650
••83 •500	9.635 10.112 10.590	-158.30 -161.70 -164.50	3.980	-268.60 -273.30 -276.70 -279.50	086 -229 -518 -769	3.973	.675 .700 .725 .750
•517 •533	10.763	-167.10 -169.30 -171.30	4.88C 4.96C	-284.3C -284.3C		4.410 4.596 4.772	•750 •775
•550 •567 •583	10.720 10.286 9.591	-171.30 -173.20 -175.10	*-94C *-74C	-286.3C	1 • 225 1 • 386 1 • 480 1 • 519	4.806 4.741 4.503 4.151	.825 .850 .875
.600 .617	6 - 637 7 - 421	-177.70	3.980	-288.20 -290.10 -292.70 -295.40	1.536	3.672 3.089	
.633 .650	6.033 4.557 2.995	-18*.50 -190.50 -202.10	2 - 60C 1 - 9 - C 1 - 5 - C 1 - 5 - C 1 - 5 - C 2 - 9 - C 3 - 5 - C 3 - C	-299.50 -305.50 -317.10	1.369 1.219 1.011 .819 .582 .334	2.420 1.710 .939	.925 .950 .975 1.000 1.025 1.050
.683 .700	1.823	-232.20 -291.10 -321.60	-8+C	-317.10 -3.7.20 -4.06.10	1.011 .819	-186	1.000
.733 .750	3.125 4.514 6.119	-321.60 -333.00 -339.20	2.080	-347.20 -466.10 -436.60 -48.00	*334 *073 207	-1.401 -2.079 -2.812	1.075 1.100 1.125
.767 .783	7.508 8.506 9.591 10.373	-342.30	3.460	-457.3C -458.8C -461.3C -462.6C	****0	-3.432	1 · 125 1 · 150 1 · 175
.817 .833	10.373	-346-30 -347-60	4.42C 4.78C	-462-60		-4.665	1.200
.850 .867	10.763	-348.40 -349.10 -349.90	*.96C	-463.40 -464.10 -464.90	-1-208	-4.825 -4.811 -4.677	1.250
•883 •900 •917	10.069 9.505 8.550	-350.80 -351.10	*.64C *.38C 3.94C	-465.6C -465.8C -466.1C		-4.469 -4.215 -3.785	1.325
•933 •950	7-11#	-351.60 -351.60 -351.80 -351.90		-466.60	-1-193 -1-093 937 743	-3-143	1 · 375 1 · 400
•983 •989	2.387 1.519	-351.80 -351.90	2.60C 1.94C 1.10C	-466.60 -466.80 -466.90	743 561 320 203	-2.492 -1.857 -1.052	1.450
		B. PEASU	RED CHARGE CI				
	RAM DA	ATA	NORMAL	IZEC CATA			
Z/H	GRMAG	2.50	CNMAG	GNFAZ	GNREAL		Z/LAMDAO
•004 •017 •033	10+005 8+404 6+152 8+108 8+056 7+726 7+308 6+751	-0.00	23.000 19.320 18.740 18.640 18.520	2.50 -2.10 -6.40	22.978 19.307 18.623	1.003 708 -2.089	•006 •025 •050
-050	8.105	-10.40	18.64C 18.52C	-10.40	17.992	-3.365 -4.668 -5.606	•075 •100
•083 •100 •117	7.726 7.308	-14.60 -18.40 -22.70	18.52C 17.76C 16.80C 15.52C 13.80C	-18.4C -22.70	16.852 15.499 13.779 11.677	-5.606 -6.483	+125
.117 .133 .150 .167	6.751 6.003 5.255	-27.40 -32.20 -39.20	13.800 12.080 9.900	-27.40 -32.20 -39.20 -48.50	11.677 9.361 6.560	-7.354 -7.635	•150 •175 •200 •225
.183	4.306 3.480 2.880	-39.20 -48.50 -62.20 -81.80	8.00C 6.62C	-48.50 -62.20 -81.80	3.731 -944	-7.635 -7.415 -7.077 -6.552	·250 ·275 ·300
·217	3.080	-81.8C -108.50 -132.60	6.24C 7.08C 8.74C	-108.50 -132.60	-1.980	-5.212	· 325
.250 .267 .283	4.707 5.490	-150.80 -162.40 -170.60	10.82C 12.62C	-15C.8C -162.4C -17C.6C	-10-314	-4.264	• 975
•300 •317 •333	6.151	-150.80 -162.40 -170.60 -176.30 -180.70 -184.50	15.6+C 15.6+C	-176.30 -180.70 -184.50	-12.451 -14.111 -15.639	-2.061 912 -191	· 450
-350	7.421	-107.70	17.06C	-187.7C	-16-906 -17-148	2.286 3.178	•500 •525 •550
•383 ••00 ••17	7 • • 8 2 7 • 25 6 6 • 6 2 1	-190.50 -196.00 -199.00	17.20C 16.68C	-193.2C	-16.906 -17.148 -16.746 -16.034	3.928	•575 •600
.433 .450	6 · 281 5 · 551	-201.90 -205.90	14.440 12.760 10.820	-199.00 -201.90 -205.90	-12.398 -11.478 -9.313	5-105 5-386 5-574	•625 •650
.483 .500	4.707 3.706	-210.60 -217.80 -230.10 -254.00	8.52C 6.26C	-21C.6C -217.8C	-6.732	5.508	•700 •725
·517 ·533	1.931	-294.50	3.820	-230.10 -254.00 -294.50	-4.015 -1.224 1.584	4.802 4.268 3.476	•750 •775 •800
•550 •567 •583	3.202	-329.10 -345.00	5.36C	-329.10 -345.00	7.109 9.327	1.905	.825
-600 -617	5.751	-353.90 -359.20 -363.20	9.38C 11.50C	-353.90 -359.20 -363.20	11.499	·161	-875 -900 -925
.617 .633 .650	5.751 6.455 6.908 7.221	-363.20 -365.90 -368.10 -369.80 -371.40 -373.10 -374.50 -375.90	14.84C 15.88C	-365.90 -368.10	15.722	-1.528 -2.238 -2.825	.925 .950 .975 1.000
.683 .700 .717 .733	7.456	-371.40 -373.10	17.140	-371.40 -373.10	16.802	-2-388	1.025
.717 .733	6.708	-375.90 -377.10	15.420	-375.90	14.830	-4-134	1-100
.750 .767 .783	5.203	-378.50 -380.50	9.900	-378.50 -380.50	11.392	-3.798	1-150
.800 .817 .833 .850 .867	6.955 6.908 7.221 7.956 7.908 7.108 6.03 5.233 4.306 3.349 2.227 .705 1.749 2.991 4.106 5.255	-389.30 -389.30	7.700 5.120	-384.00 -389.30	7.034 4.468	-3-132	1.225
.850 .867	1.749	-501.50 -535.70	1.620	-501.50 -535.70	-1.268	-1-008	1-276
.900 .917	**106 5.255	-547.20 -549.00	9.440	-547.20 -547.20	-9.364	1-183	1.325
.900 .917 .933 .950 .967	5.951 6.708	-550.00 -550.80	13.680	-550.0C	-13-978	2.376	1.400
.967 .983	5-255 5-255 5-951 6-708 7-604 8-387 9-405	-359.20 -363.20 -365.90 -368.10 -371.4	19.280	-353.20 -363.20 -364.30 -364.30 -373.40 -373.40 -373.40 -373.40 -374.4	-10.000	-2-388 -2-388 -4-134 -4-134 -4-1058 -3-795 -2-467 -2-106 -1-662 -1-008 -3-70 -2-301 -4-40 -1-890 -2-374 -2-889 -3-374 -2-889 -3-374 -3-	- 976 - 000 - 005 - 005 - 005 - 005 - 105 - 105 - 105 - 105 - 125

TABLE 3.2 (CONTINUED)

	U151616U1	1164 OF CURRENT	AND CHARGE	AN PENDFELE A	NTENNA OVER	SALT WATER	
	ALFALT ET	L0407	BETAL/6	ETAC . 1.C47	H/LAP	CAO . 1.000	
	FAE IVE	CY . 300.00FFZ	PE	. 2.845	DILAMBAD	0200	
		A. MEAS	LRED CURREN	T CISTALELTION	IN PAZVOLT		
	RA D	ATA	MORMAL	IZEC DATA			
214	14 'AG	IRFAZ	INMAG	INFAZ	INREAL	INIMAG	Z/LAMDO
	03	168.40	2.760	53.40	1-696	2.216	+003
25	**39*	153.70	2.020	38.70	1.576	1.263	.025
• .50	3.149	129.90	1.5+0	14.90	1.488	.396	.050
75	3. 84	96.20	1.420	-18.80	1.344	458	.075
*1cc	3.915	67.80	1.800	-47.20	1.553	-1.321	-100
.:25	593	51.10	2.340	-63.9C	1.029	-2.101	.125
•150	0.395	+1.20	2.9+0	-73.80	.820	-2.623	.150
-175	7.056	34.70	3.520	-8C-3C	•593	+3.470	-175
.500	1.744	30.60	*. Q2C	-85.00	• 350	-4.005	.200
.225	5.744	26.90	4.46C	-88.10	.149	*4.478	.225
.250	1 . 527	23.70	* - 8 + C	-91.3C	110	-4.839	.250
.275	1,.527	21.40	**8*0	-93.6C	30*	-4.830	.275
•300	11.49	19.30	5.08C	-95.7C	505	*5 . 055	•300
.325	11.035	17.30	5.06C	-97.7C	678	-5-01-	•325
• 350	10.057	15.40	4.9UC	-95.60	817	***831	·350
• 375	9.789	13.20	4.500	-1c1-8c	920	****05	
••00	0.314	10.90	* · 100	*1C**1C	999	-3.976	.400
25	7.013	8.20	3.50C	-1C6.8C	-1-012	*3.351 *2.696	50
**50	0.264	-1.40	2.860	-110.60	-1.013	-1.917	75
.500	2.91.	-13.30	2-1-0	-116.4C -128.3C	831	-1.052	•500
•525	1.096	-13.30 -47.co	1.34C	-162.00	742	-1.052	.525
.550	1.827	-107-10	.8+0	-222.10	623	.563	•550
.575	3.219	-135.50	1.480	-25C-5C	-1494	1.395	-575
	***5*	-145.70	2.1.0	-26C.7C	346	2.112	•600
.025	0.721	-151.70	2.860	-266.70	**165	2.855	-625
.050	7.513	-153.70	3.500	-268.70	079	3.499	-650
+675	2.572	-156.40	3.9+0	-271.4C	•096	3.939	-675
.700	9.763	-157.90	***60	-272.90	.556	4.454	.700
.725	1397	-158.60	4.780	-273.6C	•300	4.771	.725
•750	1219	-159.80	5.020	-274.80	••20	5.002	•750
.775	788	-160-60	9.96C	-275.6C	.484	4.936	.775
•600	1 .397	-161.20	4.780	-276.2C	+516	4.752	.800
25	1. +1.05	-162-10	4.600	-277.10	-569	4.565	+825
•850	9.525	-162-30	4.38C	-277.3C	+557	4.344	.850
75	4.613	-162.50	3.960	-277.5C	•517	3.926	-875
•900	7. 91	-163.10	3.260	-278.10	•459	3.227	•900
.225	5.011	-163-10	2.540	-278.1C	.364	2.554	.925
• 950	4 • 132	-163-10	1.900	-278-10	.268	1.881	-950
935	2.349	-163.10	1.080	-278 · 1C	•152	1.069	.975
.384	1.523	-:63.10	.700	-278.10	•099	.693	.984

E. PEASURED CHARGE DISTRIBUTION IN PICCOUL/VOLT-M

274								
281 181 2 2 0 18 3 1	2/4	GF"AG	GREAZ	GNMAG	GNFAZ	CHREAL	CNIMAG	Z/LAMDAO
-25.0 16.1 -2.00 16.30 -2.50 16.30 -2.50		10 - 12	•(0	22.500	.cc			
- 50					•2.5c	18.3.3		
. 75			-5.1C		-5-1C	17.710		
100 7.11 10.00 10.					-8.00	17.05?		
15					-10.60	16.376		
1:50 0.7:					-13.20	15.110		
- 276	.15.	6.71	-16.42		-16.40			
200 1.05						11.727	-4.268	
1.50					-25-10	9.472	-4.437	.500
1.5 1.5					*32.2C	7.192	-4.497	.225
1-22	.25		**3.10			4.4 93	-4-195	
1.00			*66.50			1. 1.3	-3.962	.275
190			******			•1. 5	-3.546	.300
- 195							-3-140	.325
1975 1.3 - 18.2 9.22 - 18.2 2 9.33 - 1.93 -			-159.00			•6 • 7 • 0	-2-587	•350
					-168.20		-1.947	.375
**************************************		5-109	-173.50				-1.300	.+00
**50 0:-11 - 160.32 1.886 -160.32 1.4866 .078 .450 .4							\$1602	.425
							+078	.450
1.00 7.30. -18.10 10.50. -128.10 1.155. 1.1		7.2.7					1.031	.475
-299 794 -185112 16.88C -18511C 16.973 1.997 955 5.50 1.997 1.99							1.154	+500
						+16.773	1.497	.525
10 10 10 10 10 10 10 10								+550
-420 (11 -15-22 14.86C -15-2C -14-69 2.376 400 6-26 6.07 190-2C 13-50C 15-2C -13-227 2.391 425 6.05 5.07 190-2C 13-50C 15-2C 13-227 2.391 425 6.05 5.07 190-2C 13-50C 15-2C 13-2C 2.391 425 6.05 5.07 190-2C 13-2C 2.391 425 6.05 5.07 190-2C 2.391 425 6.05 5.07 190-2C 2.391 425 6.05 6.07 190-2C 2.30 190-2C								+575
							2.376	•600
105 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								+625
1076 1-194 1-193.40 19.500 1393.40 193.20 1978 1706 13.92 196.90 1.020 136.90 7.020 136.90 7.7100 2.157 7.00 1725 2.157 -202.137 136.90 1.020 136.90 1.020 137 1.000 1725 2.157 -202.170 1.860 220.30 1.000 270.30 1.000 7.000 1.								+650
7700 33307 196.50 7.420 196.90 7.100 2.157 7700 7729 2.169 222.30 4.860 222.30 4.497 1.844 725 7750 4.94 222.70 2.040 222.70 1.499 1.383 7250			- 192 - 10					
725 2.163 -202.30 4.860 -202.30 -4.497 1.844 .725 -750 -904 -222.70 2.040 -222.70 -1.499 1.383 .750			-196.90			•7.10C		
.750 .904 -222.70 2.040 -222.70 -1.499 1.383 -750					*202.30			.725
							1.383	• 750
	.775	.703	-320.60	1.580	*320.60	1.221	1.003	+775
.//5							-596	.800
							.114	.825
.A25 2.910 -359.00 6.5-0 -359.00 6.539 .110 .256 .850 .050 -361.60 9.176 -256 .850								.850
.875 5.27 -363.20 11.700 -363.20 11.682653 -875							**653	.875
							-1-019	.900
- 1.304 - 1.30							-1.304	
1925						17.021		.950
1950 7.507								.975
.975 F-313 -365-90 18-680 3-05-90 10-381 -1-20 -27-9 -36-90 -366-00 20-805 -2-187 -987								.987

TABLE 3.2 (CONTINUED)

	LISTAL / E	TAL COB. ENCY . 300.00M	T AND CHARGE	BETAC . 1.109	ANTENNA OVER	SALT FATER	
	Fiel	ENCY . 300.00M	-Z F	E + 2-825	CALAMPAN	0100	
		A. P.	ASLAED CLARES	T CISTAIBLTIO	IN PAZVOLT		
	74	ATA	- BEFA	LIZES CATA			
2/-	15 43	14FAZ	15,40	INFAZ	INREAL	INIMAG	Z/LAMDO
90	3. 177	171.70	2.890	56.70	1-581		·003
120	4.372	125.20	1.000	10.20	1.581 1.526 1.437 1.275	2.407 1.384 .259 790	-025
.25	33	55.00	2.120	-55.60	1.275	790 -1-829	-050 -075 -100 -125 -150 -175
350	7.65	34.00	3.600	-80.60	1.073 .871 .621 .351	-2.850 -3.749	·125
::35	2.175 2.175 2.23 2.13	20.00	5.140	-28.60	·351 ·127	-5-178	·175 ·200 ·225
.550	1.172 1.172 1.745 9.765	22.40	0-1-0	-92.60	·127 099 279 448 523	-5.699 -6.13*	·225 ·250 ·275
.05	9.745	20.10	6.120	-94.90	523	-6.134 -6.244 -6.098	·275 ·300 ·325
.75	9. 35	18.50	5.560	-96.5C	629 635	-5.929 -5.524 -4.959	·325 ·350 ·375
	6.793	17.50	1.160	-97.50	546	-4.959	·375
•9.55 •55	3. 497	16.40	2.460	-97.30 -97.60 -97.60 -98.20 -98.70	546 42 351 212 139	-3.230 -2.435	.+00 .+25 .+50
. 764	1++95	195 A 1 195 A 1 195 A 19	.920	-98.70	515	-1.384	**75
		H. MEASU	RED CHARGE CI	STEIBLTION IN	PICCOUL/VOLT-		
	941	JATA	NOSPAL	IZEC CATA			
2/-	-RYAG	H. MEASU JATA GRFAZ	CAPAG	ENFAL	GNREAL	CHIMAG	Z/LAMDAO
- 12 - 5 - 102 - 150 - 203	7.731 7.737 7.735 7.77 7.006 9.61 7.67 4.32	-2.10 -2.10 -3.50 -6.90 -9.00 -10.70 -16.00 -15.40	26.50C 22.66C 22.12C 21.46C 20.28C 18.56C 14.56C 11.58C 11.58C 8.08C 4.58C 2.38C	-2.10 -4.50 -6.90 -9.00	26.500 22.65 22.052 21.305 20.030	.000 830 -1.736 -2.578 -3.172	.006 .025 .050 .075
•102 •156	5 - 47	-6.90	251.55	-4.50	22.052	-1.736	-025
.25n	7.005	-9.CC	26.280	-9.00	20.030	-3-172	-100
•305 •350	5.467	-12.90	16.560	-10.70 -12.50 -16.00	20.030 18.237 16.142 14.015 10.856 7.275 3.492 269 -3.991 -7.706 -11.509	-3.446 -3.697 -4.019	•125 •150 •175
••65	3.30	-19.40	11.520	-15.4C	10.856	-3.826	-200
•500 •550	3.30 	-39.10 -96.50	*.50C 2.36C	-25.80 -39.10 -96.50	3.492	-3.826 -3.517 -2.838	-250
•650	1.050	-1*5.10 -171.10	7.8UC	-96.50 -155.10 -171.10 -177.50 -180.30 -182.00	-3.991	-2.365 -1.853 -1.207	-300
•700 •750	5.017	-177.5c		-177.5C	-11.509 -14.980 -16.950	502 -078 -592	-350
•••00	7-155	-182.00 -183.30	16.960	-162.00	-16.950	.592	00
.950 .950	7.155 1.17 1.23 1.23	-19.*0 -25.e0 -39.10 +96.10 -175.10 -171.10 -180.30 -183.30 -183.30 -184.60 -184.70	11.52C 14.98C 16.96C 19.08C 21.52C 23.72C 25.54C	-183.30 -183.50 -184.60 -184.70	-19.048 -21.470 -23.644 -25.494	1.464	••50
.574	1.630	-184.70	25.540	-184.60 -184.70	-25.494	2.096	
	Lister						
	ALFAL/HE	TALC407	T AND CHARGE	BETAC . 1.047	ANTENNA OVER	SALT MATER	
	ALFAL/HE FRESU	LT19N OF CURNE TAL • .0407 ENCY • 300.00M	BETAL/	6N MONOPOLE BETAC • 1.0.7 E • 2.885	ANTENNA OVER H/LAP C/LAMCAG	CAC500	
	ALFAL/HE FRESU	TAL0407 ENCY . 300.00M	BETAL/I	BETAC . 1.047	H/LAM D/LAMCÃO	SALT MATER *CAC = .500 • .0200	
	ALFAL/HE FRESU	TAL0407 ENCY . 300.00M	BETAL/I	BETAC • 1.047 E • 2.865 NT DISTRIBUTION	H/LAM D/LAMCÃO	SALT NATER	
. 2/+	ALFAL/HE FRESU	TAL0407 ENCY . 300.00M	BETAL/I	BETAC • 1.047 E • 2.885 NT DISTRIBUTION LIZED DATA	H/LAM D/LAMGAĞ N. IN MA/VOLT	CAC500 0200	Z/LAMDO
Z/F • 006 • 550	ALFAL/HE FRESU	TAL0407 ENCY . 300.00M	BETAL/I	BETAC • 1.047 E • 2.885 NT DISTRIBUTION LIZED DATA	H/LAM D/LAMGAĞ N. IN MA/VOLT	CAC500 0200	2/LAMD0 •003
2/r • 006 • 50 • 150 • 150	ALFAL/HE FRESU	TAL0407 ENCY . 300.00M	BETAL/I	BETAC • 1.047 E • 2.885 NT DISTRIBUTION LIZED DATA	H/LAM D/LAMGAĞ N. IN MA/VOLT	CAC500 0200	2/LAMD0 -003 -025 -050
2/F • 006 • 550 • 100 • 150 • 200 • 250	ALFAL/HE FRESU	TAL0407 ENCY . 300.00M	BETAL/I	BETAC • 1.047 E • 2.885 NT DISTRIBUTION LIZED DATA	H/LAM D/LAMGAĞ N. IN MA/VOLT	CAC500 0200	.003 .025 .050 .075
2/r 06 50 50 50 50 50 50 50	ALFAL/HE FRESU	TAL0407 ENCY . 300.00M	BETAL/I	BETAC • 1.047 E • 2.885 NT DISTRIBUTION LIZED DATA	H/LAM D/LAMGAĞ N. IN MA/VOLT	**CAC500 0200 INIMAG 1.413 58 375 -1.174 -1.954 -2.739	.003 .025 .050 .075
Z/F .066 .150 .150 .150 .250	ALFAL/HE FRESU	TAL0407 ENCY . 300.00M	BETAL/I	EETAC = 1.007 E = 2.885 NT DISTRIBUTION LIZED DATA INFAZ 59.50 30.60 -27.20	H/LAM D/LAMGAO N. IN HA/VOLT INFEAL *832 *775 *729 *686 *586 *397 *283	INIHAG 1.413 .458 -375 -1.174 -1.954 -2.739 -3.377 -3.850	.003 .025 .050 .075
2/F +006 +050 +150 +250 +150 +150 +150 +150 +150 +150 +150 +1	ALFAL/HE FRESU	TAL0407 ENCY . 300.00M	BETAL/I	EETAC = 1.007 E = 2.885 NT DISTRIBUTION LIZED DATA INFAZ 59.50 30.60 -27.20	H/LAM D/LAMGAO N. IN HA/VOLT INFEAL *832 *775 *729 *686 *586 *478 *397 *283	INIHAG 1.413 .458 -375 -1.174 -1.954 -2.739 -3.377 -3.850	.003 .025 .050 .075 .100 .125 .150 .175 .200
Z/r -026 -050 -150 -030 -030 -030 -050 -050 -050 -050	ALFAL/HE FRESU	TAL0407 ENCY . 300.00M	BETAL/I	EETAC = 1.007 E = 2.885 NT DISTRIBUTION LIZED DATA INFAZ 59.50 30.60 -27.20	H/LAM D/LAMCAO N IN MA/VOLT INFEAL *832 *775 *729 *686 *586 *586 *586 *586 *586 *586 *586	**CAC500 0200 INIMAG 1.41358375 -1.174 -1.954 -2.739	.003 .025 .050 .075 .100 .125 .150 .175 .200
2/F ************************************	ALFAL/HE FRESU	TAL0407 ENCY . 300.00M	BETAL/I	EETAC = 1.007 E = 2.885 NT DISTRIBUTION LIZED DATA INFAZ 59.50 30.60 -27.20	H/LAM D/LAMGAG N IN MA/VOLT INFEAL *822 *775 *729 *686 *586 *586 *586 *586 *587 *587 *587 *587 *587 *587	500500200 INIHAG I-1358375 - I-174 - I-356375 - I-356385038	.003 .025 .050 .075 .100 .125 .150 .175 .200
2/P	ALFAL/HE FRESU	TAL0407 ENCY . 300.00M	BETAL/I	EETAC = 1.007 E = 2.885 NT DISTRIBUTION LIZED DATA INFAZ 59.50 30.60 -27.20 -27.20 -27.20 -27.20 -27.20 -27.20 -27.20 -27.20 -27.20 -27.20 -27.20 -27.20	H/LAM D/LAMCAC N IN MA/VBLT 1NPEAL *822 *775 *729 *866 *866 *866 *866 *866 *866 *866 *8	INIMAG INIMAG	.003 .025 .050 .075
2/r50	ALFAL/HE FRESU	TAL0407 ENCY . 300.00M	BETAL/I	EETAC = 1.007 E = 2.885 NT DISTRIBUTION LIZED DATA INFAZ 59.50 30.60 -27.20 -27.20 -27.20 -27.20 -27.20 -27.20 -27.20 -27.20 -27.20 -27.20 -27.20 -27.20	H/LAM D/LAMCAC N IN MA/VBLT 1NPEAL *822 *775 *729 *866 *866 *866 *866 *866 *866 *866 *8	INIMAG INIMAG	.003 .025 .055 .055 .075 .100 .125 .155 .255 .255 .275 .205 .275 .305 .375
2/r	ALFALVAE FRETU 7A- 15-49 1-429 1-429 1-429 1-429 1-429 1-429 1-429 1-429 1-429 1-429 1-429 1-429 1-429 1-429 1-429	TAL0-07 ENCY - 300-00M INFAZ 174-50 145-60 145-60 145-60 145-60 145-60 145-60 145-60 145-60 145-60 145-60 145-60 145-60 145-60 145-60 145-60 145-60 145-60 145-60	BETAL/I FI EASURED CLERE! AGE**: I:.maG 1.6**C - 93:C - 34:C 2.0**C 2.0**C 3.4**C 4.76C	EETAC - 1.C-7 E - 2.485 NT SISTRIBUTION INFAZ 15.5C - 25.5C -	INFEAL INFEAL **322 **775 **729 **393 **193 **066 **009 **193	INIMAG INIMAG	.003 .025 .050 .075 .100 .125 .150 .250 .225 .250 .275 .300 .325
2/r .026 .590 .100 .100 .100 .100 .100 .100 .100 .1	ALFALVAE FRETU 7A- 15-49 1-429 1-429 1-429 1-429 1-429 1-429 1-429 1-429 1-429 1-429 1-429 1-429 1-429 1-429 1-429	TAL0-07 ENCY - 300-00M INFAZ 174-50 145-60 145-60 145-60 145-60 145-60 145-60 145-60 145-60 145-60 145-60 145-60 145-60 145-60 145-60 145-60 145-60 145-60 145-60	BETAL/I FI EASURED CLERE! AGE**: I:.maG 1.6**C - 93:C - 34:C 2.0**C 2.0**C 3.4**C 4.76C	EETAC - 1.C-7 E - 2.485 NT SISTRIBUTION INFAZ 15.5C - 25.5C -	INFEAL INFEAL **322 **775 **729 **393 **193 **066 **009 **193	INIMAG INIMAG	.003 .025 .055 .055 .055 .105 .125 .125 .125 .225 .225 .225 .225 .22
	ALFALME FAETU SAN 15-MA	TAL	BETAL// FE EASURED CLARE (EETAC - 1.C-7 E - 2-8E5 L 2-8	INFEAL INFEAL 1072 1082 1082 1082 1082 1083 1084 10	INIHAG INIHAG	- 0035 - 0250 - 0250 - 0250 - 1100 - 1251 - 1250 -
2,=	ALFALME FREDU PARENT PA	TAL	BETAL/II A ASUALD CLUER A AS	BETAC - 1.C-7 E - 2.485 NT DISTRIBUTIO LIZED DATA INFAZ 55.50 75.400 -73.300	D/LAPCAD D/APCAD IN PAYVOLT 118PE - 128	INIPAG INIPAG	- 0025 - 025 - 050 - 050 - 100 - 125 - 125 - 125 - 225 - 225
. 12	ALFALME FREDU PARENT PA	TAL	BETAL/II A ASUALD CLUER A AS	BETAC - 1.C-7 E - 2.485 NT DISTRIBUTIO LIZED DATA INFAZ 55.50 75.400 -73.300	FICCOLL/VELT- CARGAL 1.672 1.672 1.672 1.672 1.673	INIHAG INIHAG	-002 -025 -025 -020 -020 -020 -020 -020
2,=	ALFALME FREDU PARENT PA	TAL	BETAL/II A ASUALD CLUER A AS	BETAC - 1.C-7 E - 2.485 NT DISTRIBUTIO LIZED DATA INFAZ 55.50 75.400 -73.300	FICCOLL/VELT- CARGAL 1.672 1.672 1.672 1.672 1.673	INIHAG INIHAG	-003 -023 -023 -025 -025 -025 -025 -125 -125 -125 -125 -125 -125 -125 -1
. 12	ALFALME FREDU PARENT PA	TAL	BETALVI FASUAD CLEAR I HACC - ABCA	EETAC - 1.C-7 E - 2.3485 NT 2.3485 LIZEC DATA INFAZ 55.5C 270.6C FICCOL_/VELT- CAPCAGE 1.674	INIHAG INIHAG	- 0025 - 025 - 050 - 050 - 100 - 125 - 125 - 125 - 225 - 225	
. 12	ALFALME FREDU PARENT PA	TAL	BETAL/I FILE ASSURED CLEAR I-AS	BETAC - 1.C-7 E - 2.485 NT 21STRIBUTION INFAZ 55.5C 70.405 70.40	FICCOL_/VELT- CAPCAGE 1.674	INIHAG INIHAG	- 002 - 025 - 025 - 025 - 025 - 025 - 025 - 125 - 125
. 12	ALFALME FAETU SAN 15-MA	TAL	BETAL/I FILE ASSURED CLEAR I-AS	EETAC - 1.C-7 E - 2.3485 NT 2.3485 LIZEC DATA INFAZ 55.5C 270.6C FICCOLL/VELT- CARGAL 1.672 1.672 1.672 1.672 1.673	INIHAG INIHAG	- 002 - 025 - 025 - 025 - 025 - 025 - 025 - 125 - 125	
. 12	ALFALME FREDU PARENT PA	TAL	BETAL/I FILE ABOVED LIMAGE	BETAC - 1.C-7 E - 2.485 NT 21STRIBUTION INFAZ 55.5C 70.405 70.40	FICCOL_/VELT- CAPCAGE 1.674	INIHAG INIHAG	-003 -023 -023 -025 -025 -025 -025 -125 -125 -125 -125 -125 -125 -125 -1
. 12	ALFALME FREDU PARENT PA	TAL	BETAL/I FILE ASSURED CLEAR I-AS	BETAC - 1.C-7 E - 2.485 NT 21STRIBUTION INFAZ 55.5C 70.405 70.40	FICCOL_/VELT- CAPCAGE 1.674	INIHAG INIHAG	-003 -023 -023 -025 -025 -025 -025 -125 -125 -125 -125 -125 -125 -125 -1
. 12	ALFALME FRETU SAN 15-MA	TAL	BETAL/I FLASURED CLUSTER ASEMA LIMAG LIM	EETAC - 1.C-7 E - 2.8E5 NT CISTRIBUTION INFAZ SS.SC27.2C -27.2C -	E/LAPCAD E/LAPCAD IN PRAYURIT INFEL **832 **725 **846 **748 **74	INIHAG INIHAG	-003 -023 -023 -025 -025 -025 -025 -125 -125 -125 -125 -125 -125 -125 -1
. 12	ALFALME FREDU PARENT PA	TAL	BETAL/I FILE ASSUMED CLEME AREA I LANG I L	BETAC - 1.C-7 E - 2.485 NT DISTRIBUTION INFAZ SS-5CC SS-5CC - 27-3CC	##/LAMCAGA C/AMCAGA IMPA/VBLT 1.8FgA - 1.875 - 1.875	INIHAG INIHAG	-003 -023 -023 -025 -025 -025 -025 -125 -125 -125 -125 -125 -125 -125 -1
. 12	ALFALME FRETU SAN 15-MA	TAL	BETAL/I FILE ASSUMED CLEME AREA I LANG I L	BETAC - 1.C-7 E - 2.485 NT DISTRIBUTION INFAZ SS-5CC SS-5CC - 27-3CC	##/LAMCAGA C/AMCAGA IMPA/VBLT 1.8FgA - 1.875 - 1.875	INIHAG INIHAG	-003 -023 -023 -025 -025 -025 -025 -125 -125 -125 -125 -125 -125 -125 -1
. 12	ALFALME FRETU SAN 15-MA	TAL	BETAL/I FLASURED CLUSTER ASEMA LIMAG LIM	EETAC - 1.C-7 E - 2.8E5 NT CISTRIBUTION INFAZ SS.SC27.2C -27.2C -	E/LAPCAD E/LAPCAD IN PRAYURIT INFEL **832 **725 **846 **748 **74	INIHAG INIHAG	-003 -023 -023 -025 -025 -025 -025 -125 -125 -125 -125 -125 -125 -125 -1

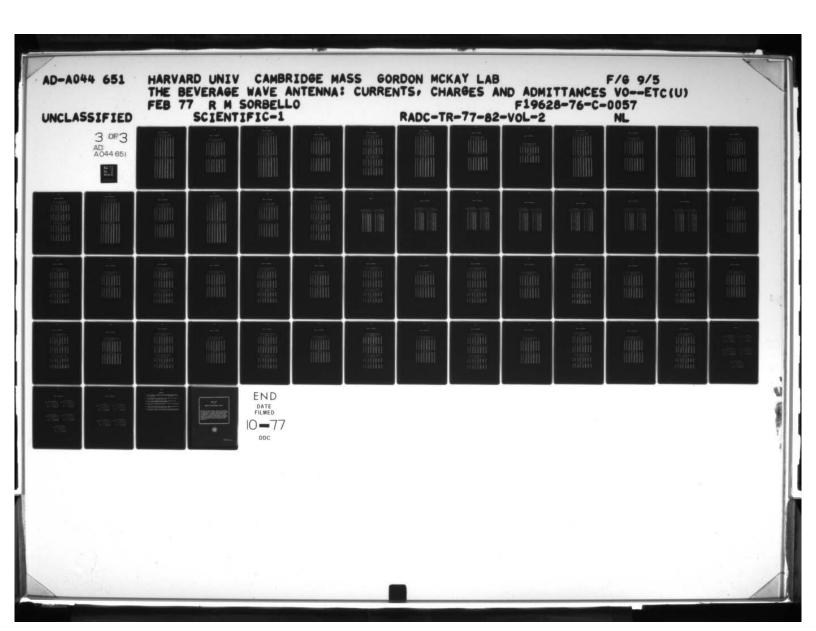


TABLE 3.2 (CONTINUED)

	-151+1E	TIEN OF CLAREST	AND CHANGE	ON FUNDFOLE A	ATENNA OVER	SALT MATER	
	ALFAL) E	TALC220	BETAL	BETAC . 1.025	HILAM	CAC . 1.500	
	FRESU	ENCY . 300.00MMZ		E . 5.865	D/LAMEAD		
				NT DISTRIBLTION			
		DATA	.05	INFAZ 61.70			
2/-	1="40	IPFAZ	INPAG	INFAZ	INPEAL	INIMAG	Z/LAMDO
17	2.523	176.70 159.60 123.70	1.9+C 1.26C -86C -96C	61.70 44.60 8.70 -35.30	•920 •97 •450	1.708 .885 .130	-003
	5.357	79.70	-860	8.7C -35.3C	*#50 *7#3	-130 555	.025 .050 .075
. 67 . 63	3.19.	*3.3¢	1.920	-53.3C -71.7C	·783 ·712 ·603	-1-229	·100
-117	0.724 7.563	79.70 55.10 43.30 36.90 32.50	2.920	-78.1C	****	-2-368	-100 -125 -150 -175
-150	1.398	27.10	3.260	-85.5C	-133	-3.250	.552
183	9.167	23.30	3.820	-91.7C	117	-3.820	·250 ·275
.217	9. 02	25.20 23.30 21.70 20.20 18.90	3.88C	-94.80	558	-3.866 -3.759	.300
·250	7. 379	17.00	3.460	-87.9C -85.8C -91.7C -93.3C -94.8C -96.1C		-3.426	-375
.300	5.197	9.20 3.60	2.760	-100.20 -102.60 -105.80 -111.40	610	-2.694 -2.155 -1.583	**00 **25 **50 **75
.317	2.738	3.60 -7.00	1.700		425	-1-001	.475
• 35g • 367	1.392	-7.00 -34.00 -94.90 -128.60	.60C .60C	-149.00 -205.90 -243.60	625 566 520	340	-500 -525 -550 -575
.383 .400 .417	3.019	-14C.6C -146.5C	1.04C 1.56C 2.10C	-243.60 -255.60 -261.50	388 310	1.511 2.077	-575 -600
	0.032	-150.50	2.10C 2.60C 3.02C	-261.50 -265.20 -267.50	310	2.077	-625 -650 -675
50 67	0.032 7.06 7.795 0.538	-15C-20 -152-50 -15-10 -155-50	3.360	-265.1C	218 132 053 053	2.591 3.017 3.360 3.680	.675 .700 .725
•500 •517	9. 02 9.23. 9.187	-156.8C	3.68C	-27C.5C	-155	3.678	•725 •750
-533	9-187	-156.8C -157.9C -158.9C -159.8C	3.98C 3.96C 3.88C	-271.80 -272.90 -273.90	108.	3.878 3.975 3.951	•750 •775 •800
.567	7.702	-160.80 -161.80	3.680	-275.8C	· 325	3.866	-850
.600 .617	5.614	-160.80 -161.80 -163.10 -164.50	3.680 3.320 2.920 2.420	-274.80 -275.80 -276.80 -278.10 -279.50	·293 ·411 ·299	3.661 3.297 2.891 2.387	900
.633 .650	3.129	-167.CC	1.900	-282.00	· 295 · 360 · 319 · 292 · 255	1.858	·950
.667	1.717	-18C.50 -231.50	•7•C	-295.50 -346.50 -426.50	:319	-668 -070 587	1.000
.700 .717	2.677	-311.5C	1.240	-426.5C	·255		1.050
•733 •750	5.525	-326.40 -333.70 -335.40 -336.30 -337.20	2.360	-446.3C	.119	-1.836 -2.379	1.100
.767 .783	0.589 7.610	-335.40 -336.30	2.84C 3.24C 3.58C	-450.40 -451.30 -452.20	-020 -079 -127 -181 -207 -235 -254 -272	-2.840 -3.279 -3.577	1-150
.800 .817		-337.20 -337.70	3.580	-452.70	**137	-3.577 -3.836 -3.955	1.200
.833 .850	8.909 9.187 9.187	-337.20 -337.70 -338.00 -338.40 -338.80 -339.20 -339.60	3.84C 3.96C 3.96C	-453.4C	207	-3.953	1.250
.883	1.630 6.74	-338.80	3.84C 3.72C 3.46C	-453.80 -454.20 -454.60	272	-3.832 -3.710 -3.469	1 · 300 1 · 325 1 · 350
·917	7.331	-339.8c	3-16C 2-66C	-+54.8C -+54.9C	**264	-3-149	1 - 375
.950 .967	3.712	-339.8c -339.9c -339.9c -340.4c	2.100	-454.90 -455.40	**179	-2.092	1.425
.983 .989	2 - 13 -	-34C-6C	.92C	-455.60 -455.60	090 057	••916 ••577	1-475
		B. MEASURE	D CHARGE C	ISTRIBUTION IN	PICCOUL/VOLT-		
	RAN D	ATA	NORMA	LIZEC CATA			
2/-	JRYAG	GRFAZ	GNPAG	GNFAZ	GNREAL		Z/LAMDAO
•504 •617 •933	9.997 7.617 6.245	-5.cc -6.20 -7.90 -9.90	21.50C 16.38C	-5.00 -6.20 -7.90 -9.90 -11.70 -13.70 -16.00 -19.40	21.418 16.284 14.58C 13.654 12.808	-1 - 749	-006 -025 -050
•050 •067	6.45	-9.90	16.38C 14.72C 13.86C 13.08C	-9.90	13.654	-1.769 -2.023 -2.383 -2.652	•075 •100
• 083	5.496			-13.70		•2•799	.125
•100 •117 •133	**148 3.404	-16.C0 -19.40 -23.40	10.50C 8.92C 7.32C	-19.40 -23.40	10.093 8.414 6.718 4.889	-2.963 -2.907	•150 •175 •200
•150 •167	2.641	-30.60	7.32C 5.68C 3.84C	-30-60	4.889	-2-891	.225
.183 .200 .217	1.125	-3C-6C -42-5D -74-CC -124-6C -154-3C -166-6C -173-1D -177-1C -179-9C	2.420	-42.50 -74.00 -124.60 -154.30	2.831 .667 -1.420	-2.594 -2.326 -2.058	·275
.233	2.660	-154.30 -166.60	3.88C	-154.30 -166.60	-3.496		·325
•250 •267	3.553	-173.10 -177.10	7.64C 9.36C	-166.60 -173.10 -177.10 -179.90	-5.564 -7.585 -2.348	-1.326 918 474 019	• • • • • • • • • • • • • • • • • • • •
.283 .300 .317	5.496	-182.20 -183.80	11.82C 12.68C	-182.20 -183.80	-10.640 -11.811 -12.652		.450
.333	6.101 6.175	-185.20 -186.60	13.120 13.280	-185.20 -186.60	-13.066 -13.192	1-189	-500
•367	6.147	-187.70 -189.10	13.220	-187.7C -189.1C	-13.101 -12.560	1.771	*550 •575
••00	5.599	-190.30 -191.80	12.0.C	-19C-3C -191-80	-11.846	2 • 153	-600
33	4.445	-193.60 -195.70	9.56C 8.28C	-193.60 -195.70	-9.292 -7.971 -6.115	2.248	·650
••67	3.304	-198.80 -204-70	6.460	-198.80	-6.115	2.082	•700
•500 •517	1.229	-219.CC	2.640	-2C4.7C -219.00 -274.30	-2.052	1.416	•750 •775
.533 .550	2.083	-334.50 -351.00 -357.00	2.460	-334.50 -351.00 -357.00	2.220	1.059 .701 .338	·800 ·825
.567 .583	3.404	-357.00 -366-30 -362.50	8.180	-357.00 -360.30 -362.50	6.451 6.180	043	·850 •875
.600 .617	5.095	-362.50 -363.70	9.78C	-363-70	10.937	707	.900
.650	5.850	-365.40	12.040 12.580	-363.70 -364.80 -365.40	10.937 11.998 12.524	-1-184	.925 .950 .975
.683	5.095 5.599 5.850 6.065 6.157	-367.CC	13.540	-367.00	13.141	-1-616	1.025
.717	5.701	-362.50 -363.70 -364.80 -365.40 -366.30 -367.50 -368.40 -370.90 -370.90 -372.90 -372.90 -372.90 -372.90 -372.90 -372.90	12.58C 13.000 13.24C 13.00C 12.26C	-368.40	12.128	-1-791	1.000 1.025 1.050 1.075
.733 .750 .767 .783	4.799	-37C-10	10.320	-37C-1C	10.160	-1-810	1-125
.783	5-199 4-799 4-101 3-348 2-557	-372.00 -374.00	7.20C	-372.00 -374.00	7.043 5.337	-1-497	1.175
	1.600	-377.CC	3.44C	-377.00 -392.00	3.290	-1-006	1.250
.833 .850	1.507	-521.50 -539.40	3.5.0	-365.40 -367.00 -367.50 -367.50 -368.40 -370.10 -370.10 -370.10 -371.00 -371.00 -371.00 -371.00 -521.50 -533.40	-3.240		1.300
	3.450	-543.50	7.420	-5-5-00	-7.392	.647	1:100 1:125 1:150 1:175 1:200 1:225 1:255 1:250 1:275 1:350 1:375 1:350
.917	***17	-540-10	9.500	-546-10	*10.786	1.247	1.376
.933	5.050	-547.70	10.000	-547.90	.18.143	1.627	1-428
.933 .950 .967	5.701 6.603 7.42	-548-10	13-00C 12-26C 11-18C 10-32C 7-20C 5-54C 1-18C 1-18C 1-18C 9-50C 12-26C 12-26C 12-26C 12-26C 12-26C	-547.20 -547.40 -548.10	-18-163 -14-082 -15-801	1.637	1.475
.900 .917 .933 .955 .967 .983	1.600 .521 1.507 2.502 3.450 4.417 5.50 5.701 6.701 8.500	-377.cc -392.cc -521.5c -533.5c -543.5c -546.10 -546.10 -547.2c -547.2c -548.1c	12.26C 14.20C 15.96C 18.28C	-539.40 -543.50 -545.00 -546.10 -547.20 -547.20 -548.10 -548.10	11.99a 12.92a 12.921 13.191 12.889 11.040	1.010 1.267 1.537 1.829 2.249 2.576	1.425 1.450 1.475 1.487

TABLE 3.2 (CONTINUED)

	LISTAIRC	TION OF CLARES	T AND CHARGE	-	ATENNA OVER	SALT MATER	
	ALFAL/CET	AL0220	BETAL/B	ETAC . 1.025	HALAM	CAO . 1.00g	
	recite	ACY . 300.00MM	2 PE	. 2.445	DILAMENO	.0500	
		A. ME	ASURED CURREN	CISTATELTION	IN PAZVOLT		
	5A 0	ATA	MORPAL	IZEC CATA			
2/-	14"43	IRFAZ	INPAG	INFAZ	INGEAL	INIMAG	Z/LAMDO
.03 .25 .50	3 - 1 - 7 2 - 1 - 6 - 1 1 - 1 - 2 - 5 4 - 1 - 3 7	179.70 161.50 107.70	1.62C .92C .60C	64.70 46.50 -7.30		1.465	
. 50	125	161.50	.920	46.50	· 692 · 633 · 595	1.465 .667	.003 .025
. 75	4 . 1 37		.90C	-52.50	-543	714	+075
·106	****	37.10	1.440	-7C -8C	**7*	-1-360	*100 *125
•150 •175	5.695	32.70	2.480	-82.3C	-932	-2.+58	+150
.500		37.10 32.70 29.90 28.00	1 - 9 c 2 - 9 c	-85.1C	·251	-2.929	·175
.255	20.72		3.620	-88.50		-2-416	.552
.275	9.762	23.90	3.900	-92.20 -91.10	075	-3.899	·250 ·275
·300	9.315	25.00 23.90 22.60 21.70	3.920		-000 -075 -150	-3.820 -3.899 -3.917 -3.794	.300
·350	7.937		3.660	-94.20 -95.30 -96.50	268	-3.650 -3.286 -2.921	·350
• 400	0.963	19.70 18.50 16.90 14.70 10.60 1.10 -53.30 -128.50 -144.30 -153.40 -153.40	3.300	-95.3C	305	-3.206	
25	5.795	16.90	2.440		344 347 333	-2.416 -1.909 -1.298	.425
••50	3+105	10.60	1.340	-1CC-3C	347	-1.298	·+50
•500 •525		1.10	.760	-113.90		695	•500
•550 •575	1.472	-128.50	-620	-168.30 -243.50 -259.30	29+ 277 215	061 -555	.525
.600	2.755	-144.30	1.160	-259.3C	515	1-1-0	-575
.625	2.755 2.755 2.755 2.755 2.755	-152.00	5.320	-264.50 -267.00	165	2.217	.625
·650		-153.60 -154.50	3.180	-268.6C -265.5C	046	2.719	·650
.700 .725	1.265	-154.50 -155.30 -155.60	3.480	-267.00 -268.60 -265.50 -270.30 -270.80 -271.50	·018	3.180 3.480 3.780	•700
.750	2.262	-150.50	3.780	-271.50 -271.90	-105	3.899	.750
•775 •500	9+161		3.860	-271.9C		3.658	•775 •800
. 425	5.0.5	-157.50 -157.50		-272.50	•131 •159 •170 •171	3.637	+825
.85¢	7.080	-157.90	3.360	-272.50 -272.90 -273.20	:170	3.356	·850 ·675
.900	00.60	-158.20	2.560	-273.2C	.143	2.556	.900
.950		-158.20 -158.20	2.020	-273.2C	*113 *C#5	2.017 1.518 .899	·925
.975	2.137 1.330	-158.20 -158.20	1.52C -93C -56C	-273.20 -273.20	·050	.899	-975
.,,,,	11333		.500	-272120	-031	,	.,,,,
		B. PEASU	RED CHARGE CI	STRIBLTION IN	PICCOLL/VOLT-	•	
	HAM D	B. PEASU	RED CHARGE CI	STRIBLTION IN	PICCOLL/VOLT-		
	HAN D	B. PEASU	RED CHARGE CI	STRIBUTION IN	PICCOLL/VOLT-	•	
	RAM D	B. PEASU	RED CHARGE CI	STRIBUTION IN	PICCOUL/VOLT-		
2/1-		PATA	NORPAL	IZEC CATA			Z/LAMDAQ
2/-	ìR™AG	QRFAZ	GNPAG	IZEC CATA	GNBEAL	CNIMAG	
-006	ìR™AG	QRFAZ	GNPAG	GNFAZ	GNBEAL	CNIMAG	
-006	1R*AG 9.975 7.633 6.783	URFAZ -5.00 -5.80 -6.90 -8.20	GNPAG	GNFAZ	GNBEAL	CNIPAG -1.83C -1.603 -1.716 -1.888	-006 -025 -050
-006 -025 -050 -075	RMAG 9-375 7-33 6-283 6-249 5-343	URFAZ -5.00 -5.80 -6.90 -8.20 -9.40	GNFAG 21.000 15.880 14.280 13.280	GRFAZ -5.CC -5.8C -6.9C -8.2C -5.4C	GNREAL 20.92C 15.779 14.177 13.105 12.115	CNIMAG -1.83C -1.603 -1.716 -1.888 -2.006	-006 -025 -050 -075
.006 .025 .050 .075 .100	1R*AG 9.975 7.633 6.783 6.783 5.833 5.831	URFAZ -5.CU -5.8C -6.90 -8.2C -9.40 -11.2C	GNPAG 21-GOC 15-886 14-286 13-286 12-286	GNFAZ -5.CC -5.8C -6.9C -8.2C -5.4C	GNREAL 20.92C 15.779 14.177 13.105 12.115	CNIMAG -1.83C -1.603 -1.716 -1.888 -2.006	-006 -025 -050 -075 -100
.006 .025 .050 .075 .100 .125 .150	1R*AG 9.975 7.633 6.783 6.783 5.833 5.831	URFAZ -5.CU -5.8C -6.90 -8.2C -9.40 -11.2C	GNPAG 21-GOC 15-886 14-286 13-286 12-286	GNFAZ -5.CC -5.8C -6.9C -8.2C -5.4C	GNREAL 20.92C 15.779 14.177 13.105 12.115	CNIMAG -1.83C -1.603 -1.716 -1.888 -2.006	-006 -025 -050 -075 -100 -125 -150
.06 .025 .050 .075 .100 .125 .150 .175 .200	1RMAG 9.775 7.533 6.783 6.783 5.291 5.291 9.036 3.995	URFAZ -5.CU -5.8C -6.90 -8.2C -9.40 -11.2C	GNPAG 21-GOC 15-886 14-286 13-286 12-286	CAFAZ -5-CC -5-8C -6-9C -9-8C -11-2C -11-9C -11-9C	GNREAL 20.92C 15.779 14.177 13.105 12.115	CNIMAG -1.83C -1.603 -1.716 -1.888 -2.006	-006 -025 -050 -075 -100 -125 -150 -175 -200
.006 .025 .050 .075 .100 .125 .150	2RMAG 9.275 7.383 6.783 6.783 5.291 5.291 3.995 2.393 1.337 2.337	URFAZ -5.CU -5.8C -6.90 -8.2C -9.40 -11.2C	GNPAG 21-GOC 15-886 14-286 13-286 12-286	CAFAZ -5.CC -5.8C -6.9C -8.2C -11.20 -12.9C -12.9C -22.4C -22.3C -28.3C	GNREAL 20.92C 15.779 14.177 13.105 12.115	CNIMAG -1.83C -1.603 -1.716 -1.888 -2.006	-004 -025 -050 -075 -100 -125 -150 -175 -200 -225 -250 -275
.006 .025 .075 .100 .125 .175 .205 .275 .275 .275	2RMAG 9.275 7.383 6.783 6.783 5.291 5.291 3.995 2.393 1.337 2.337	URFAZ -5.CU -5.8C -6.90 -8.2C -9.40 -11.2C	GNPAG 21-GOC 15-886 14-286 13-286 12-286	CAFAZ -5.CC -5.8C -6.9C -8.2C -11.20 -12.9C -12.9C -22.4C -22.3C -28.3C	GNREAL 20.92C 15.779 14.177 13.105 12.115	CNIMAG -1.83C -1.603 -1.716 -1.888 -2.006	-006 -025 -050 -075 -100 -125 -150 -175 -200
-025 -025 -025 -025 -125 -125 -125 -125 -125 -125 -125 -1	2R MAG 9.775 7.533 6.783 6.783 5.291 1.036 3.197 1.726 2.492	URFAZ -5.CU -5.8C -6.90 -8.2C -9.40 -11.2C	GNPAG 21-GOC 15-886 14-286 13-286 12-286	CAFAZ -5.CC -5.8C -6.9C -8.2C -11.20 -12.9C -12.9C -22.4C -22.3C -28.3C	GNREAL 20.92C 15.779 14.177 13.105 12.115	CNIMAG -1.83C -1.603 -1.716 -1.888 -2.006	-004 -025 -050 -075 -100 -125 -150 -175 -200 -225 -250 -275 -300 -325
-025 -025 -025 -025 -025 -125 -125 -125 -125 -125 -125 -125 -1	1R MAG 9-775 7-833 6-783 6-783 6-783 1-809 1	URFAZ -5.CU -5.8C -6.90 -8.2C -9.40 -11.2C	GNPAG 21-GOC 15-886 14-286 13-286 12-286	CAFAZ -5.CC -5.8C -6.9C -8.2C -11.20 -12.9C -12.9C -22.4C -22.3C -28.3C	CNBEAL 20.92C 15.779 14.177 14.177 12.115 17.928 9.514 4.280 2.197 2.106 2.062 4.200 4.200 4.200	CNIMAG -1.85C -1.603 -1.716 -1.716 -2.106 -2.164 -2.136 -2.136 -2.137 -1.725 -1.516 -1.725 -1.516 -1.725 -1.516	-006 -025 -050 -075 -100 -125 -150 -200 -225 -250 -275 -300 -325 -350 -375
- 025 - 025 - 050 - 070 - 125 - 125	1R - AG 9.775 7.633 6.783 6.783 6.783 1.695 1.695 2.333 7.22 1.335 7.22 1.40 2.432 3.433 4.40 2.432 3.433 4.40 2.432 3.433 4.40 2.432 3.433 4.40 2.432 3.433 4.40 2.433 3.433 4.40	URFAZ -5.CU -5.8C -6.90 -8.2C -9.40 -11.2C	GNPAG 21-GOC 15-886 14-286 13-286 12-286	CAFAZ -5.CC -5.8C -6.9C -8.2C -11.20 -12.9C -12.9C -22.4C -22.3C -28.3C	CNBEAL 20.92C 15.727 13.107 13.107 12.115 9.514 7.931 4.162 9.514 106 2.907 106 4.208 4.208 6.273 8.190 6.273 8.190	CNIPAG -1.83C -1.4031	-006 -025 -050 -075 -100 -125 -150 -275 -250 -275 -300 -325 -350 -375 -300 -325 -325 -325 -325 -325 -325 -325 -325
-025 -025 -025 -025 -025 -125 -125 -125 -125 -125 -125 -125 -1	28 4 A G 2 - 275 5 7 - 523 3 6 - 283 3 5 - 283 5 5 - 283 5 5 - 283 5 1 - 283 7 2 - 283 7 2 - 283 7 2 - 283 7 3 - 585 7 5 - 685 7 5	URFAZ -5.CU -5.8C -6.90 -8.2C -9.40 -11.2C	GNPAG 21-GOC 15-886 14-286 13-286 12-286	CAFAZ -5.CC -5.8C -6.9C -8.2C -11.20 -12.9C -12.9C -22.4C -22.3C -28.3C	GNREAL 20.92C 15.779 14.177 13.105 12.115 9.924 4.280 2.197 4.282 4.283 2.197 -2.208 -6.273 -8.197 -9.460 -10.918	CNIPAG -1.83C -1.403 -1.716 -1.276 -2.100 -2.109 -2.139 -2.139 -1.735 -1.735 -1.735 -1.735 -1.736 -1.736 -1.737 -1.737	-004 -025 -050 -075 -100 -125 -150 -150 -225 -225 -25 -25 -25 -25 -25 -25 -25 -
-006 -025 -055 -055 -105 -125 -125 -125 -225 -225 -225 -225 -305 -325 -325 -325 -425 -425 -425 -425	1R + AG	URFAZ -5.CU -5.8C -6.90 -8.2C -9.40 -11.2C	GNPAG 21-GOC 15-886 14-286 13-286 12-286	CAFAZ -5.CC -5.8C -6.9C -8.2C -11.20 -12.9C -12.9C -22.4C -22.3C -28.3C	CNB FAL 20.92C 19.777 13.105 13.105 13.105 19.914 4.165 2.106 4.267 2.106 4.267 2.106 4.207 4	CNIFAG -1.800 -1.400 -1.714 -1.888 -2.006 -2.179 -2.130 -2.130 -2.1795 -1.516 -1.229 -8887 -1.516 -1.299 -1.517	-006 -025 -050 -075 -100 -125 -150 -175 -200 -225 -275 -275 -300 -325 -350 -375 -400 -255 -350 -355 -350 -355 -355 -355 -355 -3
.06 .025 .075 .1075 .1075 .1075 .1075 .1075 .1075 .207	1R 4 G 9,775 9 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	URFAZ -5.CU -5.8C -6.90 -8.2C -9.40 -11.2C	GNPAG 21-GOC 15-886 14-286 13-286 12-286	CAFAZ -5.CC -5.8C -6.9C -8.2C -11.20 -12.9C -12.9C -22.4C -22.3C -28.3C	CNB FAL 20.92C 19.777 13.105 13.105 13.105 19.914 4.165 2.106 4.267 2.106 4.267 2.106 4.207 4	CNIFAG -1.800 -1.400 -1.714 -1.888 -2.006 -2.179 -2.130 -2.130 -2.1795 -1.516 -1.229 -8887 -1.516 -1.299 -1.517	-004 -025 -050 -075 -100 -125 -150 -175 -200 -225 -250 -250 -250 -350 -350 -350 -350 -350 -350 -350 -3
.06 .025 .025 .025 .025 .025 .025 .025 .025	1R 4 G 9,775 9 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	URFAZ -5.CU -5.8C -6.90 -8.2C -9.40 -11.2C	GNPAG 21-GOC 15-886 14-286 13-286 12-286	CAFAZ -5.CC -5.8C -6.9C -8.2C -11.20 -12.9C -12.9C -22.4C -22.3C -28.3C	CABEAL 20.920 10.779 13-107 13-103 14-177 13-103 10-103	CNIFAG -1.630 -1.716 -1.603 -1.716 -1.608 -2.184 -2.184 -2.194 -2.194 -1.795 -1.795 -1.795 -1.795 -1.797 -5827 -5827 -707 -707 -707 -707 -707 -707 -707 -7	- 004 - 025 - 027 - 107 - 100 - 125 - 150 - 205 - 275 - 370 - 325 - 370 - 325 - 350 - 350 - 355 -
.06 .025 .025 .025 .025 .025 .125 .125 .125 .225 .235 .235 .235 .235 .235 .235 .2	18"46	URFAZ -5.CU -5.8C -6.90 -8.2C -9.40 -11.2C	GNPAG 21-GOC 15-886 14-286 13-286 12-286	CAFAI -5.GC -5.8G -6.9G -11.2G -11.2G -12.9G -14.9G -24.4G CABEAL 20.920 10.779 13-107 13-103 14-177 13-103 10-103	CNIFAG -1.830 -1.7168 -1.7168 -2.000 -2.164 -2.104 -2.1179 -2.1179 -1.797 -1.797 -1.797 -1.797 -1.797 -1.797 -1.797 -1.797 -1.797 -1.797 -1.797 -1.797 -1.797 -1.797 -1.797 -1.797	- 004 - 025 - 055 - 055 - 150 - 125 - 157 - 200 - 225 - 255 - 275 -	
.065 .025 .025 .075 .075 .075 .075 .075 .075 .075 .07	##*###################################	URFAZ -5.CU -5.8C -6.90 -8.2C -9.40 -11.2C	GNPAG 21-GOC 15-886 14-286 13-286 12-286	CAFAI -5.GC -5.8G -6.9G -11.2G -11.2G -12.9G -14.9G -24.4G CABEAL 20.920 10.779 13-107 13-103 14-177 13-103 10-103	CNIFAG -1.800 -1.400 -1.400 -1.714 -1.888 -2.006 -2.179 -2.136 -2.179 -1.725 -1.725 -1.516 -0.888 -0.989 -0.707 -999 1.171 1.440	- 006 - 025 - 027 - 107 - 107 - 125 - 157 - 225 - 275 - 325 - 325	
-U06 -0250 -0250 -0250 -0250 -0250 -1250 -1250 -1250 -2250 -	18" AG 9-775, 7-736, 6-783, 6-783, 6-783, 1-935, 1-	URFAZ -5.CU -5.8C -6.90 -8.2C -9.40 -11.2C	GNPAG 21-GOC 15-886 14-286 13-286 12-286	CNFAZ -5.CC -5.8C -5.8C -5.8C -1.9C -1.2.9C -	CABEAL 20-920 15-179 11-110	CNIFAG -1.830 -1.403 -1.7188 -2.000 -2.184 -2.194 -2.194 -1.794	- 004 - 005 - 050 - 050 - 125 - 125 - 125 - 255 - 255
-U06 -0250 -0250 -0750 -1750 -1250 -1250 -2750 -	18"46	URFAZ -5.CU -5.8C -6.90 -8.2C -9.40 -11.2C	GNPAG 21-GOC 15-886 14-286 13-286 12-286	CNFAZ -5.CC -5.8C -5.8C -5.8C -1.9C -1.2.9C -	CAREAL 20.920 15.777 13-10.50 15.177 13-10.50 15.10.50 15	CNIFAG -1.830 -1.403 -1.7188 -2.000 -2.184 -2.194 -2.194 -1.794	- 006 - 025 - 027 - 107 - 107 - 125 - 157 - 225 - 275 - 325 - 325
-U055-U5-05-05-05-05-05-05-05-05-05-05-05-05-05	##"###################################	URFAZ -5.CU -5.8C -6.90 -8.2C -9.40 -11.2C	GNPAG 21-GOC 15-886 14-286 13-286 12-286	CAFAZ -5.CC -5.8CC -5.8CC -5.8CC -11.2CC -11.2CC -11.2CC -14.5CC -24.4CC -24.4CC -14.5CC -14.	CAREAL 20.920 15.777 13-10.50 15.177 13-10.50 15.10.50 15	CNIFAG -1.830 -1.403 -1.403 -1.704 -2.106 -2.116 -2.106 -2.116 -2.106 -2.116 -2.106 -2.116 -2.106 -2.116 -2.106 -2	- 004 - 025 - 055 - 075 - 1052 - 1052 - 1253 - 1250 - 225 - 255 - 355 -
	18" AG 9-775 9-775 6-783 6-783 6-783 1-193	URFAZ -5.CU -5.8C -6.90 -8.2C -9.40 -11.2C	GNPAG 21-GOC 15-886 14-286 13-286 12-286	CAFAZ -5.CC -5.8CC -5.8CC -5.8CC -11.2CC -11.2CC -11.2CC -14.5CC -24.4CC -24.4CC -14.5CC -14.	CAREAL 20.920 15.777 13-10.50 15.177 13-10.50 15.10.50 15	CNIPAG -1.83C -1.4603 -1.71a 81 -1.2004 -2.1149 -2.1159 -2.129 -1.7952 -1.7952 -1.7953	- 004 - 025 - 035 - 035 - 105 - 105 - 115 - 125 - 125 - 255
	.R*aG 9-77-73 9-77-73 6-78-9 6-78-9 6-78-9 1	URFAZ -5.CU -5.8C -6.90 -8.2C -9.40 -11.2C	GNPAG 21-GOC 15-886 14-286 13-286 12-286	CAFAZ -5.CC -5.8C -5.8C -6.9C -2.4C -12.9C	GARGAL 20.920-21-21-21-21-21-21-21-21-21-21-21-21-21-	CNIFAG -1.800 -1.400 -1.401 -1.608 -1.714 -1.888 -2.179 -2.136 -2.179 -1.136 -1.229 -1.725 -1.516 -1.229 -1.707 -1.516 -1.229 -1	.004 .025 .050 .075 .105 .175 .105 .175 .206 .275 .206 .275 .206 .275 .207 .275 .207 .275 .207 .275 .207 .275 .207 .275 .207 .275 .207 .275 .207 .275 .207 .275 .207 .275 .207 .207 .207 .207 .207 .207 .207 .207
0.000000000000000000000000000000000000	18" AG 9-775 9-775 1-775 6-783 6-783 1-783	JRF AZ GG GG GG GG GG GG GG GG GG GG GG GG GG	085F4L GhP4G 21-00C 15-86C 11-86C 11-86C 11-86C 11-86C 11-86C 4-70C 4-70C 4-70C 4-70C 11-86C CAFAI -5.CC -5.8C -5.8C -12.90 -11.20 -11.20 -14.4	CABEAL 20.9EC 15.772 11.1727 11.172	CNIPAG -1.830 -1.768 -1.403 -1.718 -2.000 -2.184 -2.194 -2.194 -2.194 -1.797	-004 -0050 -0050 -0050 -01050 -1050	
025050505050505050505050505050505050505	18"4G 9-775 9 1-775 9 1-783 9 1-783 9 1-783 9 1-783 9 1-783 9 1-783 9 1-783 9 1-783 9 1-783 9 1-783 9 1-783 9 1-783 9 1-784 9 1-785	JOF AZ -5.00 -6.90 -6.90 -17.00 -17.	ASSPAL GhPAG 21-00C 15-88C 13-88C 1	CAFAI -5.4CC -5.4CC -5.4CC -1.2CC -1.2.2CC -1.2	CAREAL 20.920 15.777 13-10.928 15.177 13-10.928 15.177 13-10.928 15.177 13-10.928 15.177 15.10.928 15.177 15.10.928 15.177 15.10.928 15.177 15.10.928 16.177 17.178	CNIPAG -1.83C -1.403 -1.716 -1.403 -1.716 -1.200 -2.119 -2.119 -2.129 -1.725	.004 .025 .050 .075 .105 .175 .105 .175 .206 .275 .206 .275 .206 .275 .207 .275 .207 .275 .207 .275 .207 .275 .207 .275 .207 .275 .207 .275 .207 .275 .207 .275 .207 .275 .207 .207 .207 .207 .207 .207 .207 .207
- 0.05	######################################	JRF AZ -5.CG -6.90 -6.90 -1.2	085F4L GhP4G 21-00C 15-86C 11-86C 11-86C 11-86C 11-86C 11-86C 4-70C 4-70C 4-70C 4-70C 11-86C CAFAI -5.CC -5.8C -5.8C -12.90 -11.20 -11.20 -14.4	CABEAL 20.9EC 15.772 11.1727 11.172	CNIFAG -1.830 -1.403 -1.403 -1.403 -1.403 -1.716 -1.8888 -2.099 -2.139 -	.004 .025 .036 .076 .076 .076 .076 .155 .155 .250 .250 .250 .250 .250 .250 .250 .2	

TABLE 3.2 (CONTINUED)

	Cistaleuti			-	CANA OVER SA	LT MATER	
	ALTA., 2614.		BE TAL /BE	TAC . 1.023	H/LAMCA	0 • 1.500	
	PIE SENS	300.004-1	PE	DISTRIBLTION I	DYLAPCAO .	.1000	
	DA*		HONFAL!	DISTRIBUTION I			
2/-	11	105.42	150.0	INFAL	INTEAL	111740	Z/LAPDO
		181.60 166.20 130.00 77.80 52.60	1.8-0	61.8C	*869 *761 *670 *558	1.622	-003
: 12 : 23	7.71e	130.00	1.8-C 1.10C .68C .70C 1.18C 1.66C	41.8C 46.2C 1C.CC	.070	1.622 .794 .118 516	-003 -025 -050 -075
7		52.ec	1-186	-67.40	. 453		*100
190		36.50	2.040	-83.50 -87.60	-235	-2.067	·150
:117 :117 :133	2. 72 2.71 2.71 2.51 3.51	36.50 33.00 30.50 28.40	3.12C	-67.40 -78.40 -63.50 -87.00 -89.50 -91.60	-33- -235 -13- -025 067	-1.089 -1.626 -2.067 -2.556 -2.820 -3.119	-150 -175 -200 -225
.:67	7, 7, 4 0, 0, 0, 0 3, 1, 1, 2 1, 1, 3, 1, 3 3, 1, 2, 3 3, 1, 2, 3 3, 1, 2, 3 4, 1,	280 27.10 2503 24.33 23.20 21.40 200	3.300	-94.40	258	-1.1.424 -2.027 -2.052 -2.052 -2.052 -3.274 -3.275 -3.2	·250 ·275
:2:2	3.75	23.20	3.3.0	-96.8c -96.8c -98.2c -95.6c	384	-3.257	·300
·233 ·250 ·267	9.427	20.40	2.900	-90.20		-2.859	.350 .375
.263	2:33	17.20	4 - 39.0° 1 - 36	-101-00 -102-80 -105-40 -109-80 -119-00	505	-2.223	.+00 .+25 .+50 .+75
.317 .323	3:1:3	10.20	1.360	-109.80 -109.80 -119.00 -148.00 -26.00 -254.80 -263.60		-1-280	•500
.35c	1.205	-28.CC -106.CC -134.6C	250.	-1-8-00	356	553	-525
.363	3.98	-134.60 -143.60	1.320	-263.60	147	1.312 1.799	.575 .600
	527	-148.CC -150.3C	1.800	-263.60 -268.00 -272.30 -272.00 -273.40 -274.50 -275.40 -277.00 -277.90 -278.70 -278.60 -286.40	-012	1.799 2.220 2.578 2.875 3.130 3.285 3.322 3.315	-625 -650 -675 -700 -725
. 45C	7.779 6.663 7.467	-150.30 -152.c0 -153.c0 -155.c0 -155.c0 -157.c0 -157.c0 -157.60 -158.60 -166.c0	2.580	-273.4C	171	2.875	•700 •725
.500 .517		-155.40	3.300	-275.40 -276.00	*311	3.285	•750 •775
.533	10.075 15.075 9.149	-157.00	3.340	-277.CC	• 407 • 451	3.315	
.550 .567 .563	9.407 6.502 7.537	-158.70 -159.60	3-120	-278.7C -275.6C	·+72	2.781	-825 -850 -875 -900
.620	6.332	-162.CC -162.CC	2.500	-585-00	-437	2.054	
•633 •650	3.377	-16*.CC -168.CC -176.eC	1.150	-588.CC	346	1.065	•950 •975
.667		-176.40	.6.C	-275.60 -386.40 -282.00 -284.00 -284.00 -296.80 -346.30 -426.60 -443.20	.233	·057	1.000 1.025 1.050 1.075
.7CO	.724 1.507 3.015	-226.30 -306.60 -323.20	1.000	-443.20	*118	993 -1.479 -1.980	1.075 1.100 1.125
.733 .750 .767	5.973 7.236	-328.30 -331.00	1.980	-443.20 -451.00 -452.50 -453.40 -454.20 -455.10 -455.70	-044 036	-1.980	1.150 1.175
.783	9.105 9.769	-332.5C -333.6C	3.020	-453.4C -454.2C	105 164 221 288 322 332	-1.980 -2.398 -2.755 -3.012 -3.227 -3.345 -3.323	
**1	9.769 10.130 1375	-335.10 -335.50 -335.70	3.240	-+55.10 -+55.50	355	-3.227	1.225 1.250 1.275
.*50 .*67	9.109	-335.70 -336.10 -336.20	3.340	-456.1C -456.2C	351 348	-3.281 -3.201	1.300
.843 .900	9.70H 5.985 5.141	-336.20 -336.7C	2.98C 2.70C	-456.7C -457.2C	348	-2.960	1.350
.917 .933	5.068	-336.7C -337.20 -337.20 -337.20	2.300	-457.2C	594	-5.585	1.400
.967	2.593	-337.20 -337.20 -337.20 -337.20 -337.20	1.34C	-457.20 -457.20 -457.20 -457.20 -457.20	173	-1.369	1-450
.989	1.565					510	1.484
		e. PEASU	RED CHARGE C	ISTRIBLTION IN F LIZED DATA GNFAZ			
	RA- D	ATA	NORMAI	LIZEC CATA			
2/*	JH"AG	GRFAZ	GNMAG	CAFAZ	GNREAL	CHIMAG	Z/LAMDAO
•017 •017	12-5+0 9-38+ 5-22+ 7-528 6-972 6-171 5-97 4-570 3-604 2-71+	-5.00 -5.80 -6.90 -8.10 -9.40 -11.40 -13.20 -15.70 -19.10	51.650	•0.00	21.538 16.097 14.077 12.851 11.859 10.430 9.093 7.586	-1.884 -1.635 -1.704 -1.829 -1.963	.006 .025 .050 .075 .100 .125 .150
• 033 • 050	7.528	-6.90 -8-10	10-18-0 12-98-0 12-98-0 12-98-0 12-98-0 12-98-0 13-90-0 13-90-0 13-90-0 13-90-0 11-96-0 11-	-8.10	12.851	-1.829	•075
• 50 • 67 • 83	6.972	-11.4C	12.020	-11.40	10.430		·125
•100 •117 •133	4.570	-15-70	7.88C	-15.7C -19.1C	7.586	-2-132	
•150 •167	2.714	-15.70 -19.10 -25.70 -38.40	4.68C 3.00C	-11.40 -13.20 -15.70 -19.10 -25.70 -38.40	10-0-50 9-0-50 9-0-50 1-0-5	-1.863	·225
-183	.986 1.195 2.030	-76.4C -134.3C	1.70C 2.06C	-76.40 -134.30 -159.20	-1.439	-1.652 -1.474 -1.243	·275 ·300 ·325
·200 ·217 ·233	3.516	-159.20 -168.90	3.50C 5.20C	-168.9C	-5.103	-1-001 711	•350 •375
·250	*****	-174.10 -177.00	8.480	-177.0C	-8.468	*****	• • • • • • • • • • • • • • • • • • • •
.300	5.568 6.125 6.577	-58 - 0 -68 - 0 -13* - 30 -13* - 30 -158 - 30 -177 - 00 -177 - 00 -180 - 60 -182 - 20 -183 - 30 -185 - 20 -186 - 20 -187 - 20 -187 - 20 -189 - 70 -191 - 60	10.560	-199.20 -168.90 -174.10 -177.00 -179.00 -180.60 -182.20 -163.30	-10.559 -11.332	168 -111 -+35 -662	• • • • • • • • • • • • • • • • • • •
•300 •317 •333		-183.3C	11.500 11.680	-183.30 -184.30	-11-481	.876	•500 •525 •550
.350 .367 .383	6.774 6.724 6.434 6.125	-185.20 -186.20	11.60C	-184.3C -185.2C -186.2C -187.2C	-11.552	.876 1.051 1.199 1.324 1.402	•575 •600
.400 .417 .433	0.125 5.568 4.872	-187.20 -188.40	9.600	-188.40 -188.40 -189.70	+9.497	1.402	-625 -650
.433 .450	4.118	-189.70 -191.80 -194.30	7.100	-191.8C -194.3C	-6.950	1.452	.475
83	3.26 2.227 1.230	-200-00	7.10G 5.62G 3.8+G 2.12G	-200.00 -213.50 -273.00 -337.20	-3.608	1.388 1.313 1.170	•700 •725 •750
.500 .517 .533	.541	-273.CO -337.20	1.000	-273.CC	1.899	.798	•775 •800
.550	1 • 195 2 • 250 3 • 155	-351.CC -356.CO	3.85C 5.44C	-351.CC	5.427	·607	.825 .850
-583	**113	-358.8C	7-10C	-358.8C	7.098	089	•875 •900
.583 .600 .617 .633 .650	5.568 6.020 6.322 6.577 6.740 6.624	-361.90 -362.80 -363.60 -364.30 -364.90 -365.50	9.600 10.380 10.900	-361.9C -362.8C -363.6C	9.595 10.368 10.878	318 507 684 850 993 -1-095	•925 •950 •975
.650 .667	0.322	-363.60 -364.30	11.340	-364.90	11.578	**850	1.000
-700	6.626	-365.50	11.34C 11.62C 11.42C	-365.50 -366.00	11.367	-1-139	1.050
.717 .733 .750 .767	6.322 5.916 5.22 4.536	-366.00 -366.10 -367.40 -368.10	10.200	-366.00 -366.10 -367.40 -368.10	10-142	-1-139 -1-084 -1-159 -1-102	1.125
	**536	-368.10 -369.00	7.82C	-368.10 -369.00	7.742 6.40C	-1-102	1-175
500	2.946	-371.CC -373.6C	3.240	-369.00 -371.00 -373.80 -385.00	3-146	-1:014 -:969 -:773	1.552
-500 -817 -833 -550 -667	.75.	-369 · CC -371 · CC -373 · 8C -385 · CO -508 · OO -535 · 9C	1.30C .74C	-508.00	- 626	**392	1.275
.867	3.758 2.946 1.879 .754 .429 1.508 2.459	-535.90 -5+C-20	4.240	-508-00 -535-90 -540-20 -542-70 -543-70	11.367 10.84c 10.142 8.925 7.742 6.400 4.987 3.146 1.178 -6.28 -2.593 -4.240 -6.313 -8.203 -9.291	.015 .298 .530 .739	1-000 1-025 1-050 1-075 1-100 1-125 1-175 1-200 1-225 1-250 1-250 1-300 1-305 1-305 1-305
·900	**768	-5.0.20 -5.2.70 -5.3.70 -5.4.50	11.42c 10.90c 10.20c 7.82c 6.48c 5.08c 3.24c 1.30c 2.60c 6.32c 6.32c 8.22c 9.42c 6.32c	-543.7C	-9.291	·530 ·739	1.400
• 667 • 583 • 900 • 917 • 933 • 950 • 967	6.276 7.320 6.33	-545.10 -545.50 -545.90	12.62C	-545.10 -545.50 -545.90	-9.203 -9.391 -10.777 -12.562 -14.463	.962 1.210 1.495	1.425 1.450 1.475
.983 .991		-545.90 -546.00	16.600	-545.9C -546.CC	-16.509	1.735	1.487

TABLE 3.2 (CONTINUED)

	LISTAIRU	TION OF CLRHEN	T A'D CHARGE	ON PORMPOLE A	TENNA OVER	SALT WATER	
	ALFAL/HET	A0190	BETAL/8	ETAC . 1.023	H/LAM	A0 - 1.000	
	FREGUE	NCY . 300.00FF	2 PE	. 2.445	D/LAPDAD	• -1000	
				* CISTAIBLTION			
	RAN D			IZEC CATA			
21-	18743	IRFAZ	INHAG		INREAL	INIMAG	Z/LAMDO
		195.00	1.660	22.00	****		.003
.003 .25 .050	2.000	195.00 180.00 133.00	1.66C -9+C -52C	6.00 6.00	*622 *566 *517	1.539 .751 .054	-050
. 75	3. 72	77.00 57.10	.720	-5C -0C	. + + 2	**552	1075
•100 •125 •150	1. 72	57.10	1.20C 1.7CC 2.14C	-65.9C	**12	-1-127	-100
·150	574	49.00	5-1-0	-78.00 -82.10	.353	-2-120	·150
.200	7.219	*2.10 *C.10	2.820	- #4 - 15 - 15 - 15 - 15 - 15 - 15 - 15 - 1	.224	-2.816	-200
255	7.5#7	38.70 37.60 36.60 35.60 33.60 32.70 31.70 30.20 28.20 24.40	3.260	-88.3C	.034	-3-119	.225
.275 .300	4.005	36.60	3.360	-90.40	053	-3.360 -3.359	-275
. 325	4.444	34.60	3.360 3.360 3.300	-92.40	023	-3.297	-300
.350	7.270	33.60		-93.40	186	-3.134	·350
25	5.376	31.70	2.8.C 2.5.C 2.10C	-95.3C	235	-2.529	••00
. 45C	**301	58.50	1.680	-98.80	257	*1.660 *1.132	-450
-530	2.370	16.70	1.68C 1.16C .68C	-102.60	253	* - 678	.+75 .500
	.066	-30.20 -117.70	.26C	-157.2C	240	101 -+3+ -9+3	·525
.550 .575	2.424	-132.10	240	-259-10	182	.943	-575
.625	5.018	-132.10 -137.30 -139.80	1.900	-264.30 -266.80	109	1.433	-600
.650 .675	0.042	-1+1.20 -1+2.00 -1+2.80 -1+3.50	2.360	-268.20	074	2.620	-650
•700	7.629	-142.80	3.200	-265.80	010	2.980	-700
.725 .750	0.002	-143.50	3.200	-27C-50 -27C-8C	•028	3.200	•725
	2.770 1.741 .066 1.229 2.42A 3.666 5.012 6.127 7.629 3.192 6.629	-143.80 -144.10	3.36C 3.34C 3.24C 3.16C	-27C.8C -271.1C -271.6C -271.7C	- 249 - 285 - 285 - 285 - 240 - 205 - 182 - 107 - 107 - 104 - 100 - 100	3.339	•775 •800
.800		-144.6C -144.7C	3.180	-271.70	•094	3.239	-825
.050 .075	7.578	-145.30 -145.60	2.960	-272.30 -272.60	•122 •099	2.958	·850 ·875
.900	5.786	-145.50 -145.50	2.260	-272.50 -272.50	.099	2.258	.900
•950 •975	1.533	-145.50 -145.50	1.38C	-272.50 -272.50		1.279	-950
.984	3.533 2.150 1.331	-145.50	1.34C .8+C .52C	-272.5C	·037	-520	.944
		B. MEASU	RED CHARGE CT	CTCIO TIES IS			
			Co curue ci	314100.104 14	LICCOCT ANTI-		
	RA- D			IZED DATA	-10000174811-		
	RA- D				-10000574851-		
	RA- C				-100001/00[1-		
	RA- C				-10000274821-		
1/2		ATA	NORMAL	IZEC CATA			Z/LAMDAO
2/-	JR™AS	arfaz	NORPAL	IZED DATA	GNAFAL	CNIPAG	Z/LAMDAO
Z/H • 006 • 25	JR™AS	arfaz	NORPAL	IZED DATA	GNAFAL	CNIPAG	Z/LAMDA0 •006 •025
Z/H • 006 • 25 • 55 • 75	18"A3 1043 7.534 6.682 6.79	arfaz	NORPAL	IZED DATA	GNAFAL	CNIPAG	Z/LAMDA0 • 006 • 025 • 030 • 075
Z/H + 006 + 25 + 50 + 75 + 100	1733 7.534 6.682 6.79 5.574	.RFAZ -3.cc -3.50 -5.30 -5.30	SNPAG 20.30C 15.22C 13.50C 12.28C 11.28C	GNFAZ -3.00 -3.50 -4.30 -5.30 -6.30	GNREAL 20.272 15.192 13.462 12.227	CNIPAG	Z/LAMDA0 •006 •025 •050 •075 •100
.006 .25 .50 .75 .100	103 7.534 6.682 6.79 5.574 4.92	-3.cc -3.5c -3.5c -5.3c -6.3c	GNMAG 20.30C 15.22C 13.50C 11.28C 11.28C	SNFAZ -3.00 -3.50 -4.30 -5.30 -6.30 -7.60	GNREAL 20.272 15.192 13.462 12.227 11.192 9.853	CNIMAG -1-062 -929 -1-012 -1-134 -1-236 -1-315	.006 .025 .050 .075 .100 .125
.006 .25 .50 .75 .100 .125 .150 .175	18"A3 1363 7.536 6.882 6.79 9.574 4.922 4.316 3.013 2.861	-8FAZ -3.CC -3.50 -4.20 -5.3C -6.3C -7.6C -9.2C -11.3C	GNMAG 20.30C 15.22C 13.50C 11.28C 11.28C	SNFAZ -3.00 -3.50 -4.30 -5.30 -6.30 -7.60	GNREAL 20.272 15.192 13.462 12.227 11.192 9.853	CNIMAG -1-062 -929 -1-012 -1-134 -1-236 -1-315	.006 .025 .050 .075 .100 .125 .150 .175
.006 .25 .50 .75 .100	18"A3 1363 7.536 6.882 6.79 9.574 4.922 4.316 3.013 2.861	-8FAZ -3.CC -3.50 -4.20 -5.3C -6.3C -7.6C -9.2C -11.3C	GNMAG 20.30C 15.22C 13.50C 11.28C 11.28C	SNFAZ -3.00 -3.50 -4.30 -5.30 -6.30 -7.60	GNREAL 20.272 15.192 13.462 12.227 11.192 9.853	CNIMAG -1-062 -929 -1-012 -1-134 -1-236 -1-315	.006 .025 .050 .075 .100 .125 .150
.306 .25 .50 .75 .125 .150 .175 .205 .205 .275	18-45 10-43 6-88 6-88 6-57 4-31 6-51 3-61 1-78 1-78	-8FAZ -3.CC -3.50 -4.20 -5.3C -6.3C -7.6C -9.2C -11.3C	GNMAG 20.30C 15.22C 13.50C 11.28C 11.28C	SNFAZ -3.00 -3.50 -4.30 -5.30 -6.30 -7.60	GNREAL 20.272 15.192 13.462 12.227 11.192 9.853	CNIMAG -1-062 -929 -1-012 -1-134 -1-236 -1-315	-006 -025 -050 -075 -100 -125 -150 -175 -200 -225
.006 .25 .50 .75 .100 .125 .150 .175 .200 .225 .275	18-45 10-43 6-88 6-88 6-57 4-31 6-51 3-61 1-78 1-78	-8FAZ -3.CC -3.50 -4.20 -5.3C -6.3C -7.6C -9.2C -11.3C	GNMAG 20.30C 15.22C 13.50C 11.28C 11.28C	SNFAZ -3.00 -3.50 -4.30 -5.30 -6.30 -7.60	GNREAL 20.272 15.192 13.462 12.227 11.192 9.853	Chimag -1.062 -229 -1.012 -1.134 -1.245 -1.346 -1.430 -1.431 -1.341 -1.341 -1.341 -1.341	.004 .025 .050 .075 .100 .125 .130 .175 .200 .225 .275
.306 .25 .55 .75 .100 .125 .175 .225 .25 .275 .265 .275	18-45 10-43 6-88 6-88 6-57 4-31 6-51 3-61 1-78 1-78	-8FAZ -3.CC -3.50 -4.20 -5.3C -6.3C -7.6C -9.2C -11.3C	GNMAG 20.30C 15.22C 13.50C 11.28C 11.28C	SNFAZ -3.00 -3.50 -4.30 -5.30 -6.30 -7.60	GNREAL 20.272 15.192 13.462 12.227 11.192 9.853	Chimag -1.062 -229 -1.012 -1.134 -1.245 -1.346 -1.430 -1.431 -1.341 -1.341 -1.341 -1.341	.004 .025 .050 .075 .100 .125 .130 .175 .200 .225 .275
.006 .25 .55 .75 .100 .125 .150 .175 .26 .275 .275 .300 .325 .375	JAMAS 1	-8FAZ -3.CC -3.50 -4.20 -5.3C -6.3C -7.6C -9.2C -11.3C	CYPAG 20.300 15.220 13.500 12.280 12.280 13.500 2.380 2.380 2.380 2.380 2.380 2.380 2.380 3.980 3.980 3.980 3.980 3.980 3.980	SNFAZ -3.00 -3.50 -4.30 -5.30 -6.30 -7.60	GNREAL 20.272 15.192 13.462 12.227 11.192 9.853	Chimag -1.062 929 -1.012 -1.134 -1.245 -1.346 -1.430 -1.431 -1.341 -1.341 -1.341 -1.341	.004 .025 .050 .075 .100 .125 .130 .175 .200 .225 .275
.006 .25 .75 .100 .125 .150 .170 .225 .275 .300 .375 .375 .375	18/45 13 7.53+2 699 9.57+ •.20 •.316 3.013 2.661 1.864 •.785 2.785 2.773 2.793 4.795	-8FAZ -3.CC -3.50 -4.20 -5.3C -6.3C -7.6C -9.2C -11.3C	G.HAG G.JOC 15.22c 15.22c 12.22c 12.22c 12.22c 2.30c 2.30c 2.30c 2.30c 2.30c 2.30c 2.30c 3.30c	SNFAZ -3.00 -3.50 -4.30 -5.30 -6.30 -7.60	GNREAL 20.272 15.192 13.462 12.227 11.192 9.853	CNIMAG -1.042 -929 -1.012 -1.012 -1.1236 -1.1236 -1.1236 -1.1236 -1.1236 -1.1236 -1.1236 -1.1236 -1.1236 -1.1236 -1.1236 -1.1236	004 025 050 075 100 125 150 175 220 225 277 300 325 277 400
.006 .255 .755 .125 .125 .126 .126 .255 .265 .275 .265 .275 .275 .275 .275 .275 .275 .275 .27	18/45 13 7.53+2 699 9.57+ •.20 •.316 3.013 2.661 1.864 •.785 2.785 2.773 2.793 4.795	-97 - 2 - 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5	G.HAG G.JOC 15.22c 15.22c 12.22c 12.22c 12.22c 2.30c 2.30c 2.30c 2.30c 2.30c 2.30c 2.30c 3.30c	CAFAZ -3.0C -3.5C -4.3C	GNREAL 20.272 15.192 13.462 12.227 11.192 9.853	CNIMAG -1.042 -929 -1.012 -1.012 -1.1236 -1.1236 -1.1236 -1.1236 -1.1236 -1.1236 -1.1236 -1.1236 -1.1236 -1.1236 -1.1236 -1.1236	.004 .025 .050 .075 .100 .125 .130 .175 .200 .225 .275
.006 .250 .750 .170 .125 .175 .225 .255 .255 .255 .255 .255 .255 .2	18"A5 10"A5 17"S18"A5 18"S18"A5 18"S	-97 - 2 - 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5	GNPAG 20.30c 15.22c 13.50c 11.20c 11.20c 2.30c	CAFAZ -3.0C -3.5C -4.3C	GARGAL 20.272 15-192 13-162 12-262 11-192 2-192 11-192 2-192 2-193 2-763	C\[PAG -1.042 -729 -1.012 -1.012 -1.1236 -1.236 -1.236 -1.341 -1.341 -1.341 -1.413	-006 -025 -050 -075 -100 -125 -150 -150 -250 -250 -250 -250 -250 -250 -250 -2
-006 -250 -750 -175 -125 -125 -225 -225 -225 -225 -325 -325 -325 -3	18"A5 13 7.534 6.687 6.874 4.926 4.916 2.941 1.774 4.95 2.977 5.073 5.277 5.023 5.275 6.275	.8F AZ -3.CG -3.5G	Gurag Colado Colado 15-22c 13-50c 14-70c 2-30c 2-36c 2-36c 2-36c 2-36c 2-36c 2-36c 2-36c 1-16c 1-16c 10-46c 10-46c 10-46c 10-46c	CAFAZ -3.0C -3.5C -4.3C	G.R. AL 20.272 31.192 31.293 31.293 31.293 3.653 3.653 3.764	Chimag -1:022 -2529 -1:024 -1:256 -1:124 -1:236 -1:124 -1:	- 004 - 025 - 055 - 100 - 125 - 150 - 175 - 200 - 225 - 275 - 275 - 325 - 275 - 325 -
-006 -255 -755 -100 -125 -125 -125 -125 -125 -255 -255 -275 -275 -275 -275 -275 -2	18"45 143 443 443 472	-97.42 -3.05 -3.05 -3.05 -3.05 -3.05 -3.35 -3.35 -3.35 -3.35 -3.35 -3.35 -3.35 -3.35 -3.35 -3.35 -3.35	0.744G 20.30C 13.20C 13.20C 13.20C 14.28C 2.70C	CAFAI -3.00	GNRCAL 20.2722 13.492 12.492 12.492 13.492 14.492 14.493 14.49	CNIPAG -1.028 -1.012 -1.012 -1.131 -1.132 -1	-006 -025 -050 -075 -100 -125 -150 -150 -250 -250 -250 -250 -250 -250 -250 -2
-006 -025 -035 -035 -035 -035 -035 -035 -035 -03	15-45 1-487 1-487 1-487 1-487 1-687	-8FAZ -3.CG -3.50G -3.50G -5.3C -5.3C -5.3C -1.9.65G	0.744G 20.30C 13.20C 13.20C 13.20C 14.28C 2.70C	CAFAZ -3.0C -3.5C -4.3C	G.B. AL 20.272 20.272 11.122 11.122 11.122 11.122 11.122 11.123 11.12	CNIPAG -1-042 -759 -1-028 -1-	- 0045 - 0050 - 075 - 100 - 125 - 175 - 250 - 255 - 25
-006 -025 -055 -055 -056 -056 -056 -056 -056 -05	.607.4.5 1	-97 AZ -3 -50 G -3 -50 G -5 -30 C -5 -30 C -5 -30 C -7 -50 G -7 -50 G -7 -50 G -7 -60 G -7 -60 G -7 -7 -60 G -7 -7 -60 G -7 -7 -7 -60 G -7 -7 -7 -7 -60 G -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -	3.00 A S S S S S S S S S S S S S S S S S S	CAFAZ -3.0C -3.5C -3.5C -3.5C -3.5C -3.3C -3.4C -3.3C -3.4C	G.R. AL 20.272 20.272 31.442 31.452 31.452 31.452 3.463 3.46	CNIPAG -1-042 -759 -1-028 -1-	- 0045 - 0050 - 075 - 100 - 125 - 175 - 250 - 255 - 25
-006 -025 -035 -035 -135 -125 -125 -125 -202 -225 -235 -325 -325 -325 -325 -325 -32	15"A5 134 7-34 8-1857 8-1857 8-1857 8-1857 8-1857 1-1858	.8F AZ	0.44 G 20-30 C 15-20 C 15-20 C 12-20 C 12-20 C 12-20 C 13-20 C 13-20 C 14-20 CAFAZ -3.CC -3.5C	GARGAL 20.272 213.482 12.482 12.482 12.482 12.483 8.403 12.784 8.403 12.784 1.198	CNIPAG -1-0221-0122-	.004 .025 .050 .075 .105 .175 .200 .250 .250 .275 .305 .275 .305 .275 .305 .275 .305 .275 .305 .275 .305 .275 .305 .275 .305 .275 .305 .275 .305 .275 .305 .275 .305 .305 .305 .305 .305 .305 .305 .30	
-006 -055 -055 -055 -126 -126 -126 -126 -225 -225 -236 -236 -236 -255 -255 -256 -256 -256 -275 -275 -275	.87A5 1/*.34 6.887 6.887 6.887 6.877 6.97 6.97 6.97 6.97 6.97 6.97 6.97 6.	-47 A Z -3 -5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	0.44 G 20-30 C 15-20 C 15-20 C 12-20 C 12-20 C 12-20 C 13-20 C 13-20 C 14-20 CAFAZ -3.0C -3.6C	GARGAL 20.272 213.482 12.482 12.482 12.482 12.483 8.403 12.784 8.403 12.784 1.198	Chimag -1-022 -2729 -1-024 -1	004 0050 0050 0070 1050 1155 1155 2057 2058 2058 2058 2058 2058 2058 2058 2058	
-006 -055 -575 -126 -126 -1376 -262 -276 -276 -276 -276 -276 -276 -2	.8".45 12. 43 0. 627 0. 627 0. 627 0. 627 0. 627 0. 627 0. 627 1. 627	-47 A Z -3 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5		CAFAZ -3.0C -3.6C	GARGAL 20.272 12.492 12.492 12.492 12.492 12.492 12.492 12.493 14.604	CNIPAG	.004 .025 .050 .075 .105 .175 .200 .250 .250 .275 .305 .275 .305 .275 .305 .275 .305 .275 .305 .275 .305 .275 .305 .275 .305 .275 .305 .275 .305 .275 .305 .275 .305 .305 .305 .305 .305 .305 .305 .30
-006 -055 -055 -055 -126 -126 -126 -126 -225 -225 -236 -236 -236 -255 -255 -256 -256 -256 -275 -275 -275	12-43 1-434 6-687 6-687 6-687 6-687 6-687 6-687 6-687 6-687 1-107 1-	.8FAZ -3.CG	0.744G 20.30C 15.20C 15.20C 16.20C 16.20C 20.30C 16.20C 20.30C 20	CAFAZ -3.00	G.Bg.i. 20.272 211192 211192 211192 211192 211192 211192 21	CNIPAG -1.0221.0121.0121.0121.0121.0121.1341	004 005 005 015 107 1125 1125 1125 1125 1125 1125 1125 112
-006 -055 -075 -075 -126 -126 -127 -126 -127 -226 -237 -237 -377 -377 -377 -559 -559 -659 -659 -659 -659 -659 -659	.601.4.5 1	-47 A Z -3 - C G G G -3 - C G G G -3 - C G G G -3 - C G		CAFAZ -3.0C -3.6C	G.B. AL 20.272 20.172 31.17	CNIPAG -1.0221.0121.0121.0121.0121.0121.1341	004 0050 0050 0070 1050 1155 1155 2057 2058 2058 2058 2058 2058 2058 2058 2058
- 0.06 - 25 - 55 - 108 - 126 - 1	, x - x - x - x - x - x - x - x - x - x	-6F AZ -3. CG -3. 150 -3. 150 -3. 150 -3. 150 -5. 32C -7. 4CG	0.486 A	CAFAZ -3CC -3	GNR (ALL 2022) AND AND AND AND AND AND AND AND AND AND	CNIPAG -1.022-1.0124 -1.0125 -1.0126 -1.1345 -	004 005 005 015 107 1125 1125 1125 1125 1125 1125 1125 112
- 0.04 - 25 - 57 - 102 - 128 - 128 - 128 - 128 - 128 - 128 - 278 - 285 - 2	12-43 12-43 6-687 6-687 6-687 6-687 6-687 6-687 6-687 1-107 1-	.474 -4. CG -4. GG -4. 300 -5. 32 -5. 32 -1		CAFAZ -3.0C -5.30 -5.30 -5.30 -1.3.40	G. R. C. 27 22 21 21 22 22 21 21 22 22 21 21 22 22	CNIPAG	0048 0050 0050 0050 0070 11050

TABLE 3.2 (CONTINUED)

	01514180	LTION OF CLARE	T AND CHARGE	-		BALT MATER	
	ALFAL/DET	TAL0220	BE TAL /B	ETAC . 1.025	40.4	CAO500	
	FRELLE	ENCY . 300-00H	-Z PE	. 2.445	D/LAMEAD	0500	
		A. ME	ASURED CURREN	T CISTRIBLTION	IN MAZVOLT		
	RAN C			IZEC CATA			
2,-	16~AS		INPAG	INFAZ	INREAL	INIPAG	I/LAMDO
: 36	2.185 1.135 1.230 2.554 4.020 5.298	184.70 157.20 69.70 42.50 34.50 30.90	1.20C -80C -80C 1.00C 1.70C 2.20C 2.70C 3.90C 3.00	69.70 42.20 45.30 72.50	• 437 • 35 • 36 • 321 • 281 • 230	1.182 .322 .370 .1.677 .2.228 .2.713 .3.076 .3.478 .3.478 .3.720	.003
-100 -150 -200 -250	2.554	69.70	.52c	*45.3C	:36:	370	-050 -075 -100 -125
.200	5.020	34.50	1.700	-80.50	.201	-1-677	-100
•350	7.284	27.40	2.720	-85.8C	-199	-2.713	-150
•••00	5.230	26.90	3.480	-85.8C -87.2C -88.1C -89.2C	·199 ·150 ·115 ·052	-3.076	·175
.550	9.271	26.90 25.80 25.40 24.80	3.720	-89.20	·052	-3.720	-150 -175 -225 -255 -255 -255 -305 -325 -325 -325 -400 -425 -450
.6C0	8.609	24.70	3.88C 3.78C	-89.60 -90.20 -90.30 -90.80	-052 -027 -014 -020 -051 -075 -067	-3.920 -3.860 -3.780 -3.640	·275
•700 •750	8.467	23.80	3.640	-9C-8C	051	-3-640	.325
• 400	0.132	23.40		-91-20 -91-60 -91-60 -91-60	067	-3-579 -3-099	.375
• 400 • 450 • 900 • 950	0.1.9 4.672 3.689	23.4C 23.4C	2.060	-91-6C		-2.599 -2.059 -1.559	.+25
.95g	2.125	23.40	2.60C 2.06C 1.56C .90C .58C	-91.60 -91.60	025	900 580	-475
				STRIBLTIEN IN			
	RAA D	DATA	NORPAL	IZEC CATA			
2/#	2F MAS 9.975 7.533 6.088 6.184 5.491 4.364 4.142 3.315	GREAZ	21.000 15.860 14.080 13.020 11.560 10.2*0	GNFAZ	GNREAL 20.987 15.847 14.063 12.996 11.999 10.204 6.925 5.495 3.292 11.125 -1.613 -5.053 -7.139 -9.240	CHIPAG	Z/LAMDAO
-012	7.533	-5.30	21.00C 15.86C	-5.00	15.847	733 636	·006
•012 •50 •100 •150	0.184	-2.00 -2.30 -2.80 -3.50 -4.20 -4.80 -5.50 -7.20 -8.80 -12.50 -28.50 -14.30	13.020	-2.00 -2.80 -3.50	12.996	733 636 688 795	.006 .025 .050 .075 .100 .125 .150
	5.491	-4.20	11.56C 1C.24C 8.72C 6.98C	-4.20 -4.80 -5.50 -7.20	11.529	795 847 857 836 875 851	-100
•300 •350	**36* **1*2 3.315	-5.50	8.720	-5.50	8.680	836	-150
.+CO	2.641 1.053 .604 .513	-8.80	5.56C 3.48C 1.28C	-8.8C -12.5C -28.5C	5.495	851	·200
.500	•604	-28.50	1.280	-28.50	1.125	611	.250
-550 -600			1.080 3.04C 5.06C	-14C.3C -172.3C -176.9C	-3-013	611 690 407 274	·275
.700	3.391	-176.90 -179.00 -180.10 -180.70		-176.90 -179.00	-5.053 -7.139	**274	·325
.75g	3.391 389	-18C-1C -18C-70	9.240	-179.00 -180.10 -180.70	-7-139 -9-240 -10-399	125 -016 -127	.375
-950	5.586 6.488 7.334	-181.40 -181.70 -182.00	11.760	-101-40	-11.756 -13.454 -15.431		.425
.950	7.334	-182.CC -182.10	11.76C 23.66C 15.44C 17.44C	-181.40 -181.70 -182.00 -182.10	-15.431	. 539 . 639	.475
	ALFAL/BET	TION OF CURREN	T AND CHARGE BETAL/B	ON PONOPOLE A	NTENNA OVER	SALT WATER	
	ALFAL/BET	AL • .0190 KCT • 300.00MH	BETAL/B	ETAC • 1.023 • 2.665	D/LAPCAD	SALT WATER CAC500	
	ALFAL/BET FREGUE	AL0190 ACT - 300.00MM A- HE	BETAL/B	• 2.465 • CISTRIBUTION	D/LAPCAD	SALT WATER CAO = .500 = .1000	
Z/h	ALFAL/BET FREGUE RAN D	AL0190 KCY = 300.00MM A. ME	BETAL/B FE ASURED CURREN NORMAL	ETAC + 1.023 + 2.445 T CISTRIBUTION IZEC CATA	D/CAPCAC IN MAJVOLT	CAC500 1000	ZALAHDO
	ALFAL/BET FREGUE RAN D	AL0190 KCY = 300.00MM A. ME	BETAL/B FE ASURED CURREN NORMAL	ETAC + 1.023 + 2.445 T CISTRIBUTION IZEC CATA	OVERPCAC IN MAJVOLT INTERAL	CAC500 1000	Z/LAMDO
•006 •050	ALFAL/BET FREGUE RAN D	AL0190 KCY = 300.00MM A. ME	BETAL/B FE ASURED CURREN NORMAL	ETAC + 1.023 + 2.445 T CISTRIBUTION IZEC CATA	G/CAPGAG IN MAJVOLT INMEAL *SZI	CAC500 1000	
•006 •050 •100	ALFAL/BET FREGUE RAN D	AL0190 KCY = 300.00MM A. ME	BETAL/B FE ASURED CURREN NORMAL	ETAC + 1.023 + 2.445 T CISTRIBUTION IZEC CATA	G/CAPGAG IN MAJVOLT INMEAL *SZI	CAC500 1000	.003 .025 .050
.06 .050 .100 .150 .200 .250	ALFAL/BET FREGUE RAN D	AL0190 KCY = 300.00MM A. ME	BETAL/B FE ASURED CURREN NORMAL	ETAC + 1.023 + 2.445 T CISTRIBUTION IZEC CATA	G/CAPGAG IN MAJVOLT INMEAL *SZI	CAC500 1000	.003 .025 .050 .075 .100
•006 •050 •100	RA-D IRMAG 3-000 1-700 1-100 3-250 4-550 5-60 3-250 4-550 5-60 5-60 5-60 5-60 5-60 5-60 5-60	AL0190 KCY = 300.00MM A. ME	BETAL/B FE ASURED CURREN NORMAL	ETAC + 1.023 + 2.445 T CISTRIBUTION IZEC CATA	G/CAPGAG IN MAJVOLT INMEAL *SZI	INIMAG 1.343 -505 -089 -740 -1.255 -1.775 -2.226	.003 .025 .050
.006 .050 .100 .150 .200 .250	RAN D IRMAG 3-000 1-700 1-100 2-100 3-250 5-000 6-350 7-250	AL0190 KCY = 300.00MM A. ME	BETAL/B FE ASURED CURREN NORMAL	ETAC + 1.023 + 2.445 T CISTRIBUTION IZEC CATA	G/CAPGAG IN MAJVOLT INMEAL *SZI	INIMAG 1.343 -505 -089 -740 -1.255 -1.775 -2.226	.003 .025 .050 .075 .100
.006 .050 .100 .150 .200 .250	ALFAL/SET FRESUE SAN D IRMAG 3-000 1-700 1-100 3-250 1-250 5-600 6-35; 7-250 5-200 6-250 6-200 6-250	AL0190 KCY = 300.00MM A. ME	BETAL/B FE ASURED CURREN NORMAL	ETAC + 1.023 + 2.445 T CISTRIBUTION IZEC CATA	H/LA** G/LA*CAC IN MAJVBLY INBRAL -821 -431 -337 -237 -244 -152 -162 -162 -162	INIMAG 1.3430551751752262322135275	.003 .025 .050 .075 .100
.006 .050 .100 .150 .200 .250	RAAR D IRMAG 3-000 1-700 2-100 2-100 2-100 3-500 4-500 6-350 4-500 6-350 4-500 6-700 6-700	AL0190 KCY = 300.00MM A. ME	BETAL/B FE ASURED CURREN NORMAL	ETAC + 1.023 + 2.445 T CISTRIBUTION IZEC CATA	#/LAM G/LAMCAC IN MAYOUT INTERNATION 100 100 100 100 100 100 100 100 100 10	INIMAG 1.3430551751752262322135275	.003 .025 .050 .075 .100 .125 .150 .175 .200
-06 -050 -100 -100 -200 -300 -300 -300 -450 -550 -550 -550 -550 -550 -700	ALFAL/SET F46306 9A* D IR*AG 3**50 1*700 2*100 2*100 2*100 3*250 4*50 6*350 7*250 7*250 8*250 8*250 8*250 7*250	AL0196 AL0196 AL0196 AL0196 ATA IRFAZ 195.80 174.90 65.20 65.	BETAL/B FE ASURED CURREN NORMAL	ETAC + 1.023 + 2.445 T CISTRIBUTION IZEC CATA	#/LAM G/LAMCAC IN MAYOUT INTERNATION 100 100 100 100 100 100 100 100 100 10	INIMAS INIMAS	*003 *025 *050 *075 *100 *125 *150 *175 *200 *225 *250 *275 *300 *325
.006 .050 .100 .150 .200 .250	ALFAL/SET F46306 9A* D IR*AG 3**50 1*700 2*100 2*100 2*100 3*250 4*50 6*350 7*250 7*250 8*250 8*250 8*250 7*250	AL = .019C KCT = 3GG.GGMM ATA INFAZ 195.8C 174.9C 115.3C 62.2C 62.3C 63.3C 61.5C 77.9C	BETAL/B FE ASURED CURREN NORMAL	ETAC + 1.023 + 2.445 T CISTRIBUTION IZEC CATA	#/LAM G/LAMCAC IN MAYOUT INTERNATION 100 100 100 100 100 100 100 100 100 10	INIMAS INIMAS	.003 .025 .050 .075 .100 .125 .150 .175 .200 .225 .250 .275 .300 .325 .375
05000000000000000000000000000000000000	ALFAL/SET F46306 9A* D IR*AG 3**50 1*700 2*100 2*100 2*100 3*250 4*50 6*350 7*250 7*250 8*250 8*250 8*250 7*250	AL = .019C KCT = 3GG.GGMM ATA INFAZ 195.8C 174.9C 115.3C 62.2C 62.3C 63.3C 61.5C 77.9C	BETAL/B FE ASURED CURREN NORMAL	ETAC + 1.023 + 2.445 T CISTRIBUTION IZEC CATA	#/LAM G/LAMCAC IN MAYOUT INTERNATION 100 100 100 100 100 100 100 100 100 10	INIMAG INIMAG	.003 -025 -050 -075 -105 -125 -155 -175 -200 -175 -225 -255 -275 -300 -375 -400
-06 -0500 -1500 -1500 -2500 -3500 -4500 -5500 -5500 -5500 -5500 -5500 -5500 -5500	RAAR D IRMAG 3-000 1-700 2-100 2-100 2-100 3-500 4-500 6-350 4-500 6-350 4-500 6-700 6-700	AL0196 KCT - 36G.GOMM IRFAZ 195.8C 174.90 115.30 65.2C 52.10 69.30 41.50 37.90 37.90 37.90 37.60 37.90 38.80	BETAL/B FE ASURED CURREN NORMAL	ETAC + 1.023 + 2.445 T CISTRIBUTION IZEC CATA	#/LA** G/LAPCAC IN MAJVBLT INREAL -621 -454 -454 -459 -239 -216 -106 -106 -068 -008	INIMAS INIMAS	.003 .025 .050 .075 .100 .125 .175 .200 .225 .250 .275 .300 .325 .375
05000000000000000000000000000000000000	ALFAL/SET FACOLE SAN D IR*AG 1.000 1.100 1.000 1	AL = .0190 KCT = 3CG.00mm ME ATA IRFAZ 195.80 115.90 15.20 52.10 65.20 52.10 65.20 52.10 65.20 52.10 65.20 52.10 65.20 52.10 65.20 52.10 65.20 52.10 65.20 52.10 65.20 65	BETAL/8 ASURED CURRENT NORMAL INFAG 1.44C 1.46C 1.46C 1.46C 1.26C	ETAC - 1.023 - 2.485 T CISTAREUTION IZED CATA INFAZ	IN-REAL	INIMA9 1.343055256255256255256256256256256256256256256256256256256256256256256256	.003 -025 -050 -075 -105 -125 -155 -175 -200 -175 -225 -255 -275 -300 -375 -400
05000000000000000000000000000000000000	ALFAL/SET FACOLE SAN D IR*AG 1:000 1:100 2:100 2:100 3:050 4:200	AL = .0190 KCT = 3GG.00mm ATA IRFAL 195.80 175.90 175.	DETAL/8 ASURED CURRENT NABRYAL INHAG ILHAG	ETAC * 1.023 * £.685 * T.0157818UT10A IZED CATA INFAZ 68.80 * 47.90 * 46.85 * 77.90 * 46.85 * 77.90 * 46.85 * 78.90 * 68.80 * 78.90 * 68.80 * 78.90 *	H/LATCAC IN MAYBELT IN	INIMAS INIMAS	.003 .025 .025 .055 .055 .100 .125 .150 .175 .203 .225 .225 .225 .235 .375 .375 .375 .375 .375 .375 .375 .3
	ALFAL/SET FACOLE SAN D IR*AG 1:000 1:100 2:100 2:100 3:050 4:200	AL = .0190 KCT = 3GG.00mm ATA IRFAL 195.80 175.90 175.	BETAL/8 ASURED CURRENT HARD LINAG L	ETAC . 1.023 - £.485 T CISTRIBUTION IZED CATA INFAZ - 69.40 - 47.90 - 11.70 - 61.40 - 7.90 - 12.70 - 63.40 - 6	W/LATCAC IN MAYOUT IN MEAL	INIMAG INIMAG INIMAG INIMAG INIMAG INIMAG INIMAG INIMAG INIMAG INIMAG INIMAG INIMAG INIMAG INIMAG INIMAG INIMAG INIMAG INIMAG INIMAG INIMAG	-003 -025 -025 -075 -100 -125 -155 -155 -200 -225 -270 -275 -270 -275 -275 -275 -275 -275 -275 -275 -275
.066 .050 .150 .150 .250 .250 .250 .250 .250 .250 .250 .2	ALFAL/SET FACOLE SAN D IR*AG 1:000 1:100 2:100 2:100 3:050 4:200	AL = .0190 KCT = 3GG.00mm ATA IRFAL 195.80 175.90 175.	BETAL/8 ASURED CURRENT HARD LINAG L	ETAC . 1.023 - £.485 T CISTRIBUTION IZED CATA INFAZ - 69.40 - 47.90 - 11.70 - 61.40 - 7.90 - 12.70 - 63.40 - 6	## ## ## ## ## ## ## ## ## ## ## ## ##	INIMAS INIMAS	-003 -025 -025 -026 -026 -1025 -1025 -1025 -202 -202 -202 -202 -202 -202 -202 -
.066 .050 .150 .150 .250 .250 .250 .250 .250 .250 .250 .2	ALFAL/SET FACULE FAR D 18-76 11-700 11-70	AL = .0190 KCT = 3GG.00mm ATA IRFAL 195.80 175.90 175.	BETAL/8 ASURED CURRENT HARD LINAG L	ETAC . 1.023 - £.485 T CISTRIBUTION IZED CATA INFAZ - 69.40 - 47.90 - 11.70 - 61.40 - 7.90 - 12.70 - 63.40 - 6	## ## ## ## ## ## ## ## ## ## ## ## ##	INIMAS INIMAS	-003 -025 -025 -026 -026 -1025 -1025 -1025 -202 -202 -202 -202 -202 -202 -202 -
	ALFAL/SET FACULE FAR D 18-76 11-700 11-70	AL = .0190 KCT = 3GG.00mm ATA IRFAL 195.80 175.90 175.	BETAL/8 ASURED CUMPAL INHAG	ETAC - 1.023 - 2.485 T CISTRIBUTION IZEC CATA INFAZ - 45.480 - 11.70 - 61.480 - 11.70 - 61.480 - 11.70 - 61.480 - 61.70 - 61.480 - 61.70 - 61.480 - 61.70 - 61.480 - 61.70 - 61.480 - 6	## ## ## ## ## ## ## ## ## ## ## ## ##	INIMAS INIMAS	-003 -025 -025 -075 -100 -125 -155 -155 -200 -225 -270 -275 -270 -275 -275 -275 -275 -275 -275 -275 -275
100 1100 1100 1200 1200 1300 1300 1500 1500 1500 1500 1500 15	ALFAL/SET FECULE SAN D IR-AG 1-000 1-70	AL = .0190 KCT = 3GG.00mm ATA IRFAL 195.80 175.90 175.	BETAL/8 ASURED CUMPAL INHAG	ETAC - 1.023 - 2.485 T CISTRIBUTION IZEC CATA INFAZ - 45.480 - 11.70 - 61.480 - 11.70 - 61.480 - 11.70 - 61.480 - 61.70 - 61.480 - 61.70 - 61.480 - 61.70 - 61.480 - 61.70 - 61.480 - 6	W/LATCAC IN MAYOUT I	INIMAS INIMAS	-003 -025 -025 -026 -026 -1025 -1025 -1025 -202 -202 -202 -202 -202 -202 -202 -
100 1100 1100 1200 1200 1300 1300 1500 1500 1500 1500 1500 15	ALFAL/SET FACULE FAR D 18-76 11-700 11-70	AL = .0190 KCT = 3GG.00mm ATA IRFAL 195.80 175.90 175.	BETAL/8 ASURED CUMPAL INHAG	ETAC - 1.023 - 2.485 T CISTRIBUTION IZED CATA INFAZ - 45.480 - 11.70 - 61.480 - 11.70 - 61.480 - 11.70 - 61.480 - 61.70 - 61.480 - 61.70 - 61.480 - 61.70 - 61.480 -	W/LATCAC IN MAYOUT I	INIMAS INIMAS	-003 -025 -025 -026 -026 -1025 -1025 -1025 -202 -202 -202 -202 -202 -202 -202 -
100 1100 1100 1200 1200 1300 1300 1500 1500 1500 1500 1500 15	ALFAL/SET FACULE FAR D 18-76 11-700 11-70	AL = .0190 KCT = 3GG.00mm ATA IRFAL 195.80 175.90 175.	BETAL/8 ASURED CURRENT HARD LINAG L	ETAC * 1.023 * £.685 * £.685 * T.015748UT10A 12EC CATA 1AFAZ 68.80 * 47.90 * 46.95 * 47.90 * 46.95 * 48.90 * 4	## ## ## ## ## ## ## ## ## ## ## ## ##	INIMAS INIMAS	-003 -025 -025 -026 -026 -1025 -1025 -1025 -202 -202 -202 -202 -202 -202 -202 -
100 1100 1100 1200 1200 1300 1300 1500 1500 1500 1500 1500 15	ALFAL/SET FACULE FAR D 18-76 11-700 11-70	AL = .0190 KCT = 3CG.00mm E ATA IRFAZ 195.80 115.90 65.20 65.	BETAL/8 ###################################	ETAC - 1.023 - 2.485 1 CISTAREUTION 12ED CATA 1NFA2 - 48.46 - 47.45 - 48.46 - 47.45 - 48.46 - 47.45 - 48.46 -	W/LAW OF AMPORT IN MAY WELL 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	IAIMAQ 1.34300500520970020920	-003 -025 -025 -026 -026 -1025 -1025 -1025 -202 -202 -202 -202 -202 -202 -202 -
100 1100 1100 1200 1200 1300 1300 1500 1500 1500 1500 1500 15	ALFAL/SET FACULE FAR D 18-76 11-700 11-70	AL = .0190 KCY = 360.00mm ATA IRFAZ 195.80 115.30 65.20 65.20 115.30 65.20 37.40	GETAL/8 ASURED CURRENT NORMAL INHAG 1.44C -44C -	ETAC - 1.023 - 2.485 T CISTRIBUTION IZED CATA INFAZ - 47.90 -	W/LATCAC IN MAYBELT IN MAYBELT	INIMAS INIMAS	-003 -025 -025 -026 -026 -1025 -1025 -1025 -202 -202 -202 -202 -202 -202 -202 -
100 1100 1100 1200 1200 1300 1300 1500 1500 1500 1500 1500 15	ALFAL/SET FACOUR FAR D IR*AG 11-700 2-105 1-2	AL = .0190 KCT = 3GG.00mm E ATA IRFAZ 195.86 115.90 15.	BETAL/8 ### ASURED CUMPAL INHAG IN	ETAC - 1.023 - 2.4865 1 CISTAREUTION 12EC CATA 1NFAZ - 45.400 - 47.400 - 47.400 - 47.400 - 48	W/LA" O'CATGGO IN MAYOUT INBEAL - 621 - 1937 - 1939 - 1	IAIMAQ 1.34300500520970020920	-003 -025 -025 -026 -026 -1025 -1025 -1025 -202 -202 -202 -202 -202 -202 -202 -
100 1100 1100 1200 1200 1300 1300 1500 1500 1500 1500 1500 15	ALFAL/SET FACCUE SAN D IR*AG 1.000 1.1000 1.1000 1.1000 1.1000 1.1000 1.1000 1.1000 1.1000 1.1	AL = .0190 KCT = 3GG.00mm E ATA IRFAZ 195.86 115.90 15.	BETAL/8 ### ASURED CUMPAL INHAG IN	ETAC - 1.023 - 2.4865 - 1.027 - 1.0157818UT10A 12EC CATA 1AFA2 - 41.480 - 71.490 - 41.480 - 71.490 - 41.480 - 71.490 -	W/LAT O'CATGGO IN MAYBELT 1 MEAL - 121 - 125 - 127 - 127 - 127 - 127 - 127 - 127 - 127 - 127 - 127 - 127 - 127 - 127 - 128	IAIMAG IAIMAG	-003 -025 -025 -026 -026 -1025 -1025 -1025 -202 -202 -202 -202 -202 -202 -202 -
100 1100 1100 1200 1200 1300 1300 1500 1500 1500 1500 1500 15	ALFAL/SET FACOUR FAR D IR*AG 11-700 2-105 1-2	AL = .0190 KCY = 360.00mm ATA IRFAZ 195.80 115.30 65.20 65.20 115.30 65.20 37.40	BETAL/8 Z MEAN DEED CURRENT MARINE	ETAC - 1.023 - 2.4865 1 CISTAREUTION 12EC CATA 1NFAZ - 45.400 - 47.400 - 47.400 - 47.400 - 48	W/LA" O'CATGGO IN MAYOUT INBEAL - 621 - 1937 - 1939 - 1	INIMAS 1.343505505127512	-003 -025 -025 -026 -026 -1025 -1025 -1025 -202 -202 -202 -202 -202 -202 -202 -

TABLE 3.2 (CONTINUED)

	-1ST-10	LTION OF CLARE	T AND CHARGE	-		SALT -ATER	
	ALFALTE	TAL0340	BETAL	BETAC . 1.016	-/: 4	CAO - 1.500	
	146.00	ENCY . 300.00M	2 9	. 2.445	DILAMEAD	2500	
				NT CISTAIBLTIO	IN PAZVOLT		
	- A		NORPA	LIZEC CATA			
2/-	IN'AS	IRFAZ	INPAG	18FAZ 99.70 95.80 13.80 -15.20	INMEAL	IN I MAG	Z/LAMDO
. c2 . 17 . 33 . 50	5.377 5.39 3.11 3.24 1.76	171.70 157.80 135.80 106.80 61.60	2.100 1.560 1.180 1.060 1.200	35.80	1-397 1-265 1-146 1-023 -914 -776	1.647 .913 .281	.003
V90	3	106.80	1.000	-15.20	1.053	278	*025 *050 *075
		61.60 63.70 52.60 45.40	1.000	-68.30	•776	*1.259	-125
117	6.783	45.40	1.48C 1.74C 2.10C 2.40C	-15.20 -40.40 -58.30 -69.40 -76.60	*487	-1.666 -2.043 -2.375	-175
·150	0.394	36.50	2.600	-85.5c	*342 *204 *067		-500
.183	9.367	33.40 30.60 28.60	2.900	-91.20 -93.40	067 168	-2.739 -2.899	·250 ·275 ·300 ·325 ·350 ·375
.217	6.979	24.50	2.78C	-91.20 -93.40 -95.50 -97.80 -100.20	266 372 443	-2.835 -2.767 -2.715	.325
·250	0. 75 7.623	19.40 16.50	2.500	-100.20	*****	-2.460	-375
.300	526	12.3c	2.00C	-102.60 -105.50 -109.70	515	-2.303 -1.927 -1.582	****
.333	3.036	-3.60	1.280	-109.70 -115.30 -125.60 -148.40 -197.10 -235.10 -251.80	546 547 547	-1-157	-+50 -+75 -500
• 350 • 367	1.873	-26.4C -75.10	-580	-148.4C -197.1C		304 -135	•525 •550 •575 •600 •625
• 383	3.295	-113-10 -129-80 -137-80	1.050	-235.1C	369	.558 .969 1.358	·575 ·600
33	5.491	-197.80	1.700 2.000		163 070	1.692	1625
•••7	5.491 6.463 7.235	-146.00 -146.00 -148.50 -150.60 -152.00 -153.70	2.240	-264.50 -268.00 -270.50 -272.60 -274.00 -275.70	070 -C20 -113	2.240 2.477	.650 .675 .700 .725 .750 .775
•500 •517	6.010	-152.00	2.44C 2.62C 2.70C	-274.00	1113	2.477	•725 •750
-533	8.786	-155.20	2.720	-275.70 -277.20 -279.70	*341	2.687	•775 •\$00
.567 .583	6.333	-158.20	2.66C 2.58C 2.34C	-28C -2C -28C -2C	*3+1 *4+8 *457	2.622	*500 *825 *850 *875
.600	6.783	-153.7c -155.2c -157.7c -158.2c -160.0c -162.0c	2.100	-284.CC -286.70	-508	2.287 2.038 1.705	•900 •925
.633	3.483	-168.70	1.460	-29C . 7C	•511 •516	1.366	•950 •975
.667 .653	2.320	-164.70 -174.90 -187.60 -219.30 -275.70 -302.70	-720 -440	-296.9C	****	1.366 .963 .555	1.000
.700 .717	186	-275.70	-46C	-341.3C -397.7C	***** **17 *36*	-141 281 687	1.000 1.025 1.050 1.075
.733 .750	3.614	-314.50 -320.50	1-120	-424.70 -436.50 -442.50	•325 •261 •196	-1-089	1.100
.767 .783	5.179	-324.30	1.54C 2.10C 2.38C 2.540 2.72C 2.72C	-4+6.3C	*117	-1.816 -2.100	1.150
•5G0 •817	7.687 6.294 8.786	-328.50 -330.40	2.380	-450-50	051	-5.380	1.200
.833 .850	4.786 5.786	-328.50 -330.40 -331.20 -332.20	2.720	-452.40 -453.20 -454.20	1021 106 152 199	-2.716 -2.713	1.250
.867	1.592	-333.00	2.600	-455.CC	593	-2-650	1.300
•900 •917	7.881	-334.6c -335.20	2.440	-456.6C -457.2C	282 263 280 281	-2.424	1.350
.933 .950	5.039	-336.CC	1.900 1.560	-458.CC	*****	-1.882	1.400
•967 •983 •989	3.811 2.196 1.*21	-337.50 -337.50	1.18C .68C	-459.CC -459.5C	112 073	-1.165 671	1.450
.787	121	-337.50	***0	-459.5C	**073	434	1.484
		B. PEASU	RED CHARGE CI	STRIBLTION IN	PICCOUL/VOLT-		
	9A~ 0 9RMAG 12.000 9.000 7.900 7.200 6.700 6.300 5.300	ATA	NORMAL	TZEC CATA			
2/4	GRMAG	GRFAZ	GNMAG	GNFAZ	GNREAL	CNIMAG	Z/LAMDAO
•004	12.000	-5.00 -6.30 -8.00 -1C.20 -12.20 -12.50 -17.20		-5.CC -6.30 -8.0C -1C.2C -12.2C -14.5C -17.2C		-1.673 -1.580 -1.759	•006
•017 •033 •050	7.900	-8-00	12.640	-8.00	12.517	-1.759	-025 -050 -075
•950 •967 •983	6.700	-12.2C	10.720	*12.2C	10.478	-2.040 -2.265 -2.404	•100 •125
•100 •117 •133	5.300	-17.20 -21.40	19.20C 14.40C 12.64C 11.52C 10.72C 9.60C 8.48C 7.28C 5.92C 4.80C	-17.20 -21.40	19-127 14-313 12-517 11-338 10-478 9-294 8-101 6-778	-2.508	•150 •175
.150	3.700 3.000	-21.40 -23.70 -34.50	5.92C	-21.40 -23.70 -34.50	3.054	-2.656 -2.380 -2.719	.200
•167 •183	1.500	-46.90	3.340	-46.90 -72.50 -108.90 -137.70	2.419 .770	-2.585	-250
.200	1.950	-72.50 -108.90 -137.70	2.420			-2.442	
·233	2.700			-137.70		-2.290	.300
.267	3.500	-154.00	4.32C 5.60C	-137.70 -154.00 -163.00		-2-290	•300 •325 •350 •375
	3.500 4.200	-154.00	4.32C 5.60C 6.72C 7.68C	-163.CC		-2.290 -2.100 -1.894 -1.637	.325
•300 •317	4.200 4.800 5.250 5.650	-154.C0 -163.C0 -168.60 -172.60 -175.50 -177.80	4.32C 5.60C 6.72C 7.68C 8.400 9.04C	-163.00 -163.00 -168.60 -172.60 -175.50	-2.308 -3.883 -5.355 -6.587 -7.616 -8.374 -9.033	-2.290 -2.100 -1.894 -1.637 -1.328 -989 659	.325 .350 .375 .400 .425 .450
•300 •317 •333 •350	5.250	-154.CC -168.CC -168.6C -172.6C -175.5C -177.8C -179.8C	2.56C 2.42C 3.12C 4.32C 5.60C 6.72C 7.68C 4.40C 9.04C 9.20C	-154.00 -163.00 -168.60 -172.60 -175.50 -177.80	-2.308 -3.883 -5.385 -6.587 -7.616 -8.374 -9.033	-2.290 -2.100 -1.894 -1.637 -1.328 -989 659	• 325 • 350 • 375 • 400 • 425 • 450 • 475
.300 .317 .333 .350 .367 .383	5.250	-154.CC -163.CC -168.60 -172.60 -175.50 -177.80 -181.80 -183.60 -185.30	9.400	-154-00 -163-00 -168-60 -175-50 -177-80 -179-80 -181-80 -183-60 -185-30	-2.308 -3.883 -5.385 -6.587 -7.616 -8.374 -9.033 -9.200 -9.435	-2.290 -2.100 -1.894 -1.637 -1.328 989 659 347 032	-325 -350 -375 -400 -425 -450 -475 -500 -525 -550
.300 .317 .333 .350 .367 .383 .400	5.250	-154.CC -163.CC -168.6C -172.6C -175.5C -177.6C -181.8C -181.8C -185.3C	9.400	-153.CC -163.CC -168.60 -172.6C -177.8C -177.8C -181.8C -183.30 -185.30 -186.9C	-2.308 -3.883 -5.385 -6.587 -7.616 -8.374 -9.033 -9.200 -9.435 -3.381 -9.061 -8.577 -7.902	-2.290 -2.100 -1.894 -1.637 -1.328 989 659 347 032	- 325 - 350 - 375 - 400 - 425 - 450 - 475 - 500 - 525 - 550 - 575 - 600 - 625
	5.850 5.850 5.650 5.750 5.900 5.875 5.700 5.400 5.400 4.400	-154-CC -168-6C -168-6C -175-6C -175-5C -177-8C -181-8C -183-6C -185-3C -186-9C -191-4C	9-400 9-400 9-120 8-640 8-640 7-040 6-120	-154-00 -163-00 -172-60 -175-50 -175-80 -181-80 -181-80 -185-30 -186-90 -186-90 -181-40 -191-40	-2.308 -2.483 -5.355 -6.587 -7.616 -8.374 -7.033 -9.200 -9.435 -9.381 -9.061 -8.577 -7.902 -6.901 -6.933	-2.290 -2.100 -1.894 -1.637 -1.328989 -6.99347032296590842 1.038 1.281 1.991	-325 -350 -375 -400 -425 -450 -475 -500 -525 -550
	5.250	-154c0 -168-c0 -168-c0 -172-c0 -175-50 -179-80 -183-60 -183-60 -1869-00 -189-20 -199-20	9-4-C 9-4-C 9-12C 8-6-C 8-00C 7-0-C 6-12C 5-00C 3-72C	-154-00 -163-00 -172-60 -175-50 -175-80 -175-80 -181-80 -183-60 -185-30 -185-30 -185-90 -189-00 -194-20 -194-80 -266-00	-2.308 -3.883 -5.385 -6.587 -7.616 -8.374 -9.033 -9.200 -9.435 -9.381 -9.081 -8.577 -9.02 -6.901 -6.933 -4.733 -4.733	-2.250 -2.100 -1.894 -1.637 -1.228 -1.99 -1.47 -0.032 -256 -550 -842 1.038 1.281 1.391 1.501 1.611	- 325 - 350 - 375 - 400 - 425 - 450 - 475 - 550 - 575 - 600 - 625 - 675 - 700 - 725
	5.850 5.850 5.650 5.750 5.900 5.875 5.700 5.400 5.400 4.400	-154cC -168.6C -172.4C -175.5C -175.5C -179.8C -183.6C -185.3D -186.9C -191.4C -198.5C -206.CC -226.CC	9-40G 9-40G 9-12G 8-64G 8-00G 7-04G 6-12G 5-00G 3-72G 2-48G	-15%-100 -163-CC -168-60 -172-60 -175-80 -175-80 -183-60 -183-60 -185-30 -186-90 -191-40 -191-40 -198-80 -266-00 -254-70	-2.308 -2.483 -5.355 -6.587 -7.616 -8.374 -7.033 -9.200 -9.435 -9.381 -9.061 -8.577 -7.902 -6.901 -6.933	-2.296 -2.100 -1.894 -1.927 -1.326 -859 -859 -842 -1.038 -1.251 -1.251 -1.251 -1.501 -1.611 -1.511 -	- 325 - 375 - 400 - 425 - 475 - 575 - 575 - 600 - 625 - 675 - 770 - 728 - 775 - 775 - 775
	5.850 5.850 5.650 5.750 5.900 5.875 5.700 5.400 5.400 4.400	-154-cc -168-60 -172-e0 -177-e0 -177-80 -177-80 -179-80 -183-e0 -183-e0 -183-e0 -183-e0 -191-40 -191-40 -254-cc -254-cc -254-cc -254-cc	9-40C 9-40C 9-12C 8-64C 8-60C 7-04C 6-12C 5-00C 3-72C 2-48C 1-80C 1-80C	-154-00 -168-60 -175-60 -177-80 -177-80 -181-80 -183-60 -186-90 -186-90 -194-20 -194-20 -206-00 -206-00 -206-30	-2.303 -3.483 -5.485 -5.485 -7.416 -4.374 -9.033 -9.200 -9.351 -9.031 -9	-2.296 -2.100 -1.894 -1.637 -1.328 -0.899 -0.899 -0.842 -0.38 -0.3	- 325 - 375 - 400 - 425 - 425 - 475 - 525 - 575 - 602 - 625 - 675 - 770 - 775 - 775 - 800 - 825
	4.800 5.250 5.250 5.250 5.750 5.875 5.875 5.800	-154.cc -168.60 -172.ec -172.ec -175.50 -175.80 -175.80 -185.30 -185.30 -185.30 -185.30 -191.40 -194.20 -198.60 -206.cc -255.70 -306.30 -332.50	9.49C 9.49C 9.12C 8.69C 7.09C 6.12C 5.00C 3.72C 2.48C 1.60C 1.80C 2.92C	-154.00 -163.00 -177.60 -177.60 -177.60 -177.60 -177.60 -181.80 -181.80 -181.60 -185.30 -185.30 -185.30 -185.30 -191.40 -194.20 -226.00 -256.00 -256.00 -256.30 -332.50	-2.303 -3.483 -5.485 -5.485 -7.416 -4.374 -9.033 -9.200 -9.351 -9.031 -9	-2.296 -2.100 -1.897 -2.100 -1.897 -2.28 -2.28 -2.29 -2.347 -2.347 -2.347 -2.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.348 -3.34	- 325 - 375 - 400 - 425 - 475 - 575 - 575 - 600 - 625 - 675 - 770 - 728 - 775 - 775 - 775
.400 .417 .433 .450 .467 .483 .500 .517 .533 .550 .567 .567	4.800 5.250 5.250 5.250 5.750 5.875 5.875 5.800	-154.cc -168.60 -172.ec -172.ec -175.50 -175.80 -175.80 -185.30 -185.30 -185.30 -185.30 -191.40 -194.20 -198.60 -206.cc -255.70 -306.30 -332.50	9.49C 9.49C 9.12C 8.69C 7.09C 6.12C 5.00C 3.72C 2.48C 1.60C 1.80C 2.92C	-154.00 -163.00 -177.60 -177.60 -177.60 -177.60 -177.60 -181.80 -181.80 -181.60 -185.30 -185.30 -185.30 -185.30 -191.40 -194.20 -226.00 -256.00 -256.00 -256.30 -332.50	-2, 308 -3, 483 -4, 587 -4, 587 -7, 616 -8, 374 -9, 033 -9, 200 -9, 385 -9, 381 -9, 391 -9,	-2.296 -2.100 -1.897 -2.100 -1.897 -2.28 -2.28 -2.29 -2.347 -2.347 -2.347 -2.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.348 -3.34	- 325 - 375 - 400 - 425 - 400 - 450 - 500 - 500 - 500 - 500 - 600 - 600
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	**************************************	-154.cc -168.60 -172.ec -172.ec -175.50 -175.80 -175.80 -185.30 -185.30 -185.30 -185.30 -191.40 -194.20 -198.60 -206.cc -255.70 -306.30 -332.50	9.49C 9.49C 9.12C 8.69C 7.09C 6.12C 5.00C 3.72C 2.48C 1.60C 1.80C 2.92C	-154.00 -163.00 -177.60 -177.60 -177.60 -177.60 -177.60 -181.80 -181.80 -181.60 -185.30 -185.30 -185.30 -185.30 -191.40 -194.20 -226.00 -256.00 -256.00 -256.30 -332.50	-1.083 -1.083 -1.083 -1.084 -1	-2.296 -2.100 -1.897 -2.100 -1.897 -2.288 -2.289 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.348 -3	. 3250
	***105 5.755	-154.cc -168.60 -172.ec -172.ec -175.50 -175.80 -175.80 -185.30 -185.30 -185.30 -185.30 -191.40 -194.20 -198.60 -206.cc -255.70 -306.30 -332.50	9.49C 9.49C 9.12C 8.69C 7.09C 6.12C 5.00C 3.72C 2.48C 1.60C 1.80C 2.92C	-154.00 -163.00 -177.60 -177.60 -177.60 -177.60 -177.60 -181.80 -181.80 -181.60 -185.30 -185.30 -185.30 -185.30 -191.40 -194.20 -226.00 -256.00 -256.00 -256.30 -332.50	-2.1613 -3.4613 -3.4613 -4.1614 -4.161	-2.296 -2.100 -1.897 -2.100 -1.897 -2.288 -2.289 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.347 -3.348 -3	- 325 - 325
- + CCC - + 17 - + 23 - + 50 - + 63 - 507 - 503 - 507 - 503 - 507 - 503 - 507 - 503 - 607 - 707 - 700 - 7	**************************************	-154.cc -168.60 -172.ec -172.ec -175.50 -175.80 -175.80 -185.30 -185.30 -185.30 -185.30 -191.40 -194.20 -198.60 -206.cc -255.70 -306.30 -332.50	9.49C 9.49C 9.12C 8.69C 7.09C 6.12C 5.00C 3.72C 2.48C 1.60C 1.80C 2.92C	-154.00 -163.00 -177.60 -177.60 -177.60 -177.60 -177.60 -181.60 -181.60 -185.60 -185.60 -185.90 -185.90 -189.80 -206.00 -206.00 -206.00 -206.00 -206.30 -332.50	-2 .083 -3 .083 -5 .285 -6 .275 -7 .754 -7 .754 -7 .757 -7	-2.290 -2.1004 -2.1004 -1.927 -2.28 -2.29	- 325 - 325
- + CCC - + 17 - + 23 - + 50 - + 63 - 507 - 503 - 507 - 503 - 507 - 503 - 507 - 503 - 607 - 707 - 700 - 7	**************************************	-154.cc -168.60 -172.ec -172.ec -175.50 -175.80 -175.80 -185.30 -185.30 -185.30 -185.30 -191.40 -194.20 -198.60 -206.cc -255.70 -306.30 -332.50	9.49C 9.49C 9.12C 8.69C 7.09C 6.12C 5.00C 3.72C 2.48C 1.60C 1.80C 2.92C	-154.00 -163.00 -177.60 -177.60 -177.60 -177.60 -177.60 -181.60 -181.60 -185.60 -185.60 -185.90 -185.90 -189.80 -206.00 -206.00 -206.00 -206.00 -206.30 -332.50	-2 .083 -3 .083 -5 .285 -6 .275 -7 .754 -7 .754 -7 .757 -7	-2.290 -2.1004 -2.1004 -1.927 -2.28 -2.29	- 325 - 350
- + CCC - + 17 - + 23 - + 50 - + 63 - 507 - 503 - 507 - 503 - 507 - 503 - 507 - 503 - 607 - 707 - 700 - 7	**************************************	-154.cc -168.60 -172.ec -172.ec -175.50 -175.80 -175.80 -185.30 -185.30 -185.30 -185.30 -191.40 -194.20 -198.60 -206.cc -255.70 -306.30 -332.50	9.49C 9.49C 9.12C 8.69C 7.09C 6.12C 5.00C 3.72C 2.48C 1.60C 1.80C 2.92C	-154.00 -163.00 -177.60 -177.60 -177.60 -177.60 -177.60 -181.60 -181.60 -185.60 -185.60 -185.90 -185.90 -189.80 -206.00 -206.00 -206.00 -206.00 -206.30 -332.50	-2 .083 -3 .083 -5 .285 -6 .275 -7 .754 -7 .754 -7 .757 -7	-2.290 -2.1004 -2.1004 -1.927 -2.28 -2.29	- 325 - 350
- + CCC - + 17 - + 23 - + 50 - + 63 - 507 - 503 - 507 - 503 - 507 - 503 - 507 - 503 - 607 - 707 - 700 - 7	***1050 5.7950 5	-154.cc -168.60 -172.ec -172.ec -175.50 -175.80 -175.80 -185.30 -185.30 -185.30 -185.30 -191.40 -194.20 -198.60 -206.cc -255.70 -306.30 -332.50	9.49C 9.49C 9.12C 8.69C 8.09C 7.04C 6.12C 2.48C 1.60C 1.80C 2.98C 4.20C	-154.00 -163.00 -177.60 -177.60 -177.60 -177.60 -177.60 -181.60 -181.60 -185.60 -185.60 -185.90 -185.90 -189.80 -206.00 -206.00 -206.00 -206.00 -206.30 -332.50	-2.1613 -3.4613 -3.4613 -4.1614 -4.161	-2.296 -1.009 -1.097 -1.097 -1.097 -1.097 -1.098 -0	- 325 - 325

TABLE 3.2 (CONTINUED)

	ALFAL/HETA	AL0340	BETAL/B	ETAC . 1.016	H/LAM	CAO . 1.000		
	FREGUE	NCY . 300.00MHZ	PE	PE . 2-865		D/LAMCAD2500		
		A. MEAI	SURED CLAREN	T CISTRIBLTION	IN MAZVOLT			
	HA- D	ATA	NORMAL	IZEC CATA				
/-	IR"AG	IRFAZ	INMAG	INFAZ	INREAL	INIMAG	Z/LAMDO	
003	5.245	173.40	1.940	51.40	1.210	1.516	*003	
25	3.625	158.CC	1.340	36.00	1.084	.788	.052	
050	2.651	132.00	-98C	10.00	.965	.170	-050	
J75	2.543	96.60	-940	-25.40		***03	-075	
100	3.08+	72.00	1.1.C	-5C-OC	.733	873	-100	
125	**003	56.70	1.480	-65.30	.616	-1.745	*150	
150	**923	48.CC	1.820	-74-0C	.502	-2-086	-175	
500	5.735	38.20	2.120	-83.80	·379 ·255	-2.346	.200	
225	7.087	35.00	2.620	-87.00	•127	-2.616	-225	
250	7.412	32.60	2.740	-89.40	.029	-2.740	.250	
275	7.628	30.00	2.820	-91-40	**079	.2.419	.275	
.300	7.628	28.70	2.820	-93.30	162	-2-815	•300	
.325	7.520	26.90	2.780	-95-10	247	-2.769	-325	
.350	7.195	28.00	2.660	-94.00	**186	-2.654	•350	
. 375	0.546	23.10	2.420	-98.90	374	-2.391	.375	
••00	5.443	20.80	2.160	-101-20	***20	-2-119	**00	
.425	531	18.40	1 - 86C	-103.6C	***37	-1.808	.425	
50	4.57	14.70	1.500	-107.30	*****	-1.432	.450	
. 475	3.030	8.50	1.120	-113.50	****7	-1-027	.475	
500	5.005	-2.90	.74C	-124.90	423	607	•500	
.525	1.136	-34.CC	.420	-156.00	384	171	.525	
.550	1.190	-94.6C	C	-216.60	**353	.262	-550	
.575	5.005	-122.70	.7+C	-244.70	**316	.669	-575	
.600	3.230	-134.20	1.120	-256.20	267	1.088	-600	
.625	••112	-140.20	1.520	-262.20	500	1.506	-650	
.650	5.031	-143.50	1.86C	-265.50	**146	2.098	•675	
.675	5.681	-145.70	2.100	-267.7C -269.4C	**084	2.380	•700	
•700	6.438	-147.40	2.580	-271.2C	*05*	2.579	•725	
.725	6.979			-271.80	*085	2.719	•750	
•750 •775	7 - 35 4	-149.80 -150.80	2.720	-272.80	134	2.737	•775	
	7.*12	-151.30	2.640	-273.30	•152	2.636	.800	
.800	7-1-1	-152-30	2.580	-274.30	193	2.573	-825	
.050	6.979	-153.0C	2.420	-275.00	.211	2.411	-850	
. 675	0.005	-153.50	2.220	-275.50	.213	2.210	-875	
.900	5.031	-153.80	1.860	-275.8C	-100	1.850	.900	
.925	**166	-154.CC	1.540	-276.00	•161	1.532	.925	
.950	3. 364	-154.30	1.1.0	-276.3C	-125	1.133	•950	
975	1.693	-154.30	.70C	-276.30	•077	.696	.975	
.984	1.190	-154.30		-276.30	*048	.437	.984	

B. MEASURED CHARGE CISTRIBUTION IN PICCOUL/VOLT-F

TABLE 3.2 (CONTINUED)

	LISTRIBU	TION OF CLARENT	AND CHARGE	C CHARGE ON PONOPOLE ANTENNA OVER SALT MATER			
	ALFAL/9ET	AL C34C	BETAL/8	ETAC . 1.016	HALAM	CAC500	
	FRECUE	NCY . 300.00HHZ	PE	. 2.465	DILAMEAD	.2500	
		A. HEA	SURED CLAREN	T CISTRIBUTION	IN MA/VOLT		
	94. 0	ATA	-	IZED DATA			
2/-	IH-AS	IRFAL	INMAG	INFAZ	INREAL	INIMAG	Z/LAMDO
+006	**643	171.60	1.700	49.80	1.097	1.298	.003
.350	3.227	152.50	1-10C	30.50	1.017	.599	.025
.100	2 . 461	155.00	•900	•00	•900	•000	.050
•150	2.685	90.30	.98C	-31.70	.824	515	+075
.500	3.337	67.00	1.550	-55.0C	•700	999	*100
.250	**321	54.70	1-58C	-67.30	•610	-1.458	-125
.300	5.251	47.40	1.920	-74.60	.510	-1-851	+150
.350	6 17	42.40	5.500	-79.6C	•397	+2.164	•175
• • • • • •	0.783	39.00	2.48C	-63.00	*302	-2.462	.500
	7.330	36.00	2.680	-86.00	*187	-2.673	.552
•5cc	7.713	34.50	5.850	-87.5C	.123	-2.817	.250
•550	7.707	32.70	2.840	-89.3C	.035	-2.840	.275
.600	7.549	31.60	2.760	-9C.4C	**019	-2.760	•300
.650	7.275	30.50	2.660	-91.5C	**070	-2-659	-325
.700	562.0	29.40	2.520	-92.60	**11*	-2.517	•350
.75c	0.290	28.80	2.300	-93.20	**158	-2.296	-375
.800	5.306	28.3C	1.940	-93.7C	125	-1.936	.400
. 550	4.321	27.70	1.580	-94.30	**118	+1.576	.425
+900	3.585	27.70	1.200	-94.30	090	-1-197	.450
.950	1.769	27.70	+72C	-94.3C	054	**718	+475
.968	1.313	27.70	**8C	-94.30	036	+79	****
		B. PEASUR	D CHARGE CI	STRIBLTION IN	PICCOUL/VOLT.		
	HA- D	ATA	NORMAL	IZEC CATA			
2/=	JETAG	GRFAZ	GNHAG	GNFAZ	GNREAL	GNIMAG	Z/LAMDAO
• 012	9.984	-2.5c	19.200	-2.50	19.182	817	.004
• 650	7.384	-3.20	14.200	-3.20	14.178	793	-025
.100	0.434	****0	12.38C	*****	12.344	••950	-050
.150	5.970	-5.50	11.48C	-5.50	11.427	-1-100	4075
.200	5.234	-6.70	1C-18C	-6.70	10.110	-1-188	-100
.250	**597	-8.10	8.840	-8-10	8.752	-1 -246	-125
•3CO	3.848	-10.50	7.400	-1C-5C	7.276	-1-349	-150
.350	3.347	-13-10	6.440	-13-10	6.272	-1.460	-175
.400	2.694	-17.80	5.180	-17.80	4.932	-1-582	.200
50	1.872	-24.90	3,600	-24.90	3.265	-1-516	.225
.500	1.092	-41.20	2.100	-41.20	1.580	-1-383	-250
•550	.707	-92.50	1.360	-92.5C	059	-1-359	.275
.600	1.113	-142.90	2.1.5	-142.90	-1-707	-1-291	•300
.650	1.541	-161.60	3,540	-161-60	-3.359	-1-117	.325
.700	2.69.	-168.40	5.180	-168.40	-5-074	-1-042	350
.750	3.494	-172.50	6.720	-172.5C	-6.663	877	•375
.800	3.99.	-175.20	7.680	-175.2C	-7.653	**643	.400
.850	4.597	-177.30	8.8+0	•177•3C	-8.830	***16	.425
.900	5.439	-179.10	10.460	•179 ·1C	-10-459	**164	.450
.900 .950	0.344	-180.40	12.200	-180.40	-12.200	.085	.475
.974	7-18-	-180.80	13.820	-18C-8C	-13.819	-193	.487

TABLE 3.2 (CONTINUED)

	. 15 *41: . 1	TON TE CLONE	AND CHARGE O	A PERSPELL AN	15 MA OVER -01	ST EARTH	
		C+ + + + + + + + + + + + + + + + + + +	BETALIFE	TAC - 1.106	HALAMEA	0 • 1.500	
	FAE LEN	A. PEAS	FE UNED CURRENT	CISTRIBLTION	IN MAZVOLT	.0200	
	44- LA						
2/-	16-43	IRFAL	1500	ZEC CATA INFAZ ZC.GC 5.GC -1.GC -13.eC -24.5C -27.2C -60.4C -62.8C -75.8C	INREAL	INIPAG	Z/LAMDO
. 17	2.796 2.762 7.763 7.211 2.22 6.712	100.00 89.00 79.00	5.0.0 4.6.0 4.360	5.00	4.734 4.563 4.359 3.927	1.724 .726 076	-003 -025 -050 -075
. 53 . 67 . 83	7.211	55.10 •2.60	3-86C 3-76C 3-76C 3-76C 3-76C 3-76C	-1.00 -13.60 -24.50 -37.20 -50.40 -62.80 -75.50 -96.60 -103.40 -113.40 -127.50	3.927		·075
-100	6.712 6.712	29.60 17.20	3.76C 3.70C	-37.20	3.501 2.995 2.358	-1.625 -2.273 -2.851	•100 •125 •150 •175
•100 •117 •133	09	17.20 -2.50	3.76C 3.86C	-62.80 -75.80	2.358 1.719 .947 .176	-2.851 -3.344 -3.742 -4.036	•175 •200 •225
•150 •167 •183	7.211 7.497 7.490 7.397 7.997	-16.6C -25.40	***200	-96.60 -105.40		-4-172	·250 ·275
.217	7.397	-16.60 -25.40 -33.43 -40.50	**************************************	-113.40 -120.50	-1.779	-3.860	·300 ·325
.233 .250 .267	7.961	-47.60 -53.80	****C	-133.80	-2.782 -3.087 -3.325 -3.554 -3.554 -3.293	-3.613 -3.219 -2.790	•350 •375
.283	7.497	-60.00 -67.80 -73.70 -81.00 -88.50	*.3°C *.20C 3.92C	-147.8c -153.70	-3-55+	-2.238	.+00 .+25 .+50 .+75
•300 •317 •333	5.994	-81.00 -88.50	3.62C 3.36C	-161.CC -168.50	-3-553	-1-179 670	•500
.350 .367 .383	3.963	-98.50 -111.00 -126.80 -144.00	2.920 2.58C 2.36C 2.22C	-191.00 -204.80	-2-533	076 .492 1.064 1.559	•525 •550 •575 •600
••00 ••17 ••33	** 3*	-161.80	2.59C	-224.6C -241.8C	-1-581	1.992	-625 -650
••50	4.455 5.355	-188.CO -199.50	2.72C 3.00C 3.42C 3.52C 3.70C	-268.00 -279.50	095	2.718	.675 .700 .725
83 .500 .517	6.105	-207.40 -215.00	3.420	-287.40 -295.00	1.023	3.264 3.190 3.188	•725 •750 •775
.533 .550	0.783	-225.60 -229.80	3.800 3.800 3.760 3.580	-305.60 -309.80	2.515	3.090	.800 .825
.567 .583	0.712	-236.00 -237.60	3.76C 3.58C	-316.00 -317.80	2.705	2.612 2.612 2.613 1.645	·850 ·675
.6C0	5.890	-242.40 -247.00	3.300	-322.4C -327.00	2.615	1.645	.900 .925
.633 .650	3.991	184 0 0 117 90 1	2-6+C 2-18C 1-7+C 1-36C 1-10C	-339.50 -350.00	2.042	1.645 1.215 .763 .302 156 602 -1.047	.950 .975 1.000
.683 .700 .717	2.429	-266.6C	1.360	-366.60 -393.20	1.351	602	1.000 1.025 1.050 1.075
.733 .750	2.713	-313.20 -346.70 -371.60 -385.00	1.520	-451.00 -465.00	-3-25-3-25-3-25-3-25-3-25-3-25-3-25-3-2	-1.520 -1.893	1.100
.767	355 455 105 255 265 267 267 267 2712 359 2712 2712 2712 2713 2714 2715	-393.80	2.900	-1 C - SC	928 -1-340 -1-758	-1.893 -2.104 -2.321 -2.626 -2.739 -2.849 -2.747 -2.646	1 · 125 1 · 150 1 · 175 1 · 200 1 · 225
.800 .817	5.641 6.105 6.497	-406.80	3.420	-486.8C	-2-049	-2.739 -2.849	1 · 225 1 · 250 1 · 275
.150	6.497	12-00	3.64C 3.56C	-491.00	-5-388	-2.747	1.300
.883 .900 .917 .933	5.512	12.8c 14.00	3.48C 3.3CC	-492.8C -494.CC	-2 - 364	-2.553 -2.374 -2.154 -1.788	1 · 325 1 · 350 1 · 375
.933 .950	5.391 98 3.606 2.677	14.80 15.50	2.520	-494.50 -494.80 -495.50	-2·117 -1·776 -1·441		1.400
.967 .983 .989	2.677 1.571 1.142	-393.80 -00-00 -03.85 -06.80 -01.90 -11.00 -12.00 -12.00 -13.80 -15.50 -15.50 -15.60 -16.00	1.50C -88C	-495.50 -495.80 -496.00 -496.00	-1.41 -1.075 633	-1.046 611	1.450 1.475 1.484
.,,,,	10.42						
	RA* D	B. PEASUR	NORPAL	STRIBUTION IN I	1000007700010		
2,1	JR"AG	DDF 47	CANAG	CAFAZ	CHREAL	CHIMAG	Z/LAMDAO
•004 •17 •133 •150	15 • 15 1 11 • ° 35 11 • 139 11 • 133	-5.80 -12.80 -21.70 -30.00 -37.90 -55.20 -59.60 -67.60 -75.40	25.68C 20.060 18.89C 18.70C 18.70C 17.86C 17.86C 17.86C 15.98C	-5.80 -12.80 -21.70 -30.00 -37.90 -45.20 -52.10	25.549 19.561 17.542 16.195 14.756 13.064 10.971 8.947 6.580 4.028 1.562 891 -3.235 -5.493	-2.595 -4.444 -6.981 -9.350	.006 .025 .050
• 33 • 50 • 67	11.139	-21.70 -30.00	18.70C	-3C-00	16.195	-9.350 -11.487	-075
. 83	11 · J33 10 · 739 10 · 537	-52.10	18.54C 17.86C	-45.20 -52.10	13.064	-9:350 -11:487 -13:155 -14:093 -15:249 -15:501 -15:464 -14:375 -13:410 -12:074 -10:375 -8:472 -6:168	•100 •125 •150 •175
•100 •117 •133	9.936 9.428	-67.00	17.68C	-67.0C	6.580	-15-501 -15-64	.200
•150 •167 •183	4.531	-83.80 -93.80	14.460	-83.80 -93.80	1.542	-14.375 -13.410	.250
.200	7.930 7.375 6.927	-93.60 -105.cc -117.90 -132.cc -147.5c -160.cc	12.50C 11.74C	-105.00 -117.90	-3.235 -5.493 -7.628	•12·07• •10·375	•300 •325 •350
.233 .250 .267	6.726 6.773 6.726	-132.CC -147.5C	11.48C 11.48C	-140.00	-10-712	-3-899	•350 •375 •400
.283	7.328	-184.20	15.98C 13.4%C 13.4%C 12.5%C 11.5%C 11.4%C 11.4%C 11.4%C 12.42C 13.10C 13.9%C	-173.00 -184.20 -194.50 -202.30	-11.652	-1.431 .910	.425 .450
.300 .317 .333	7.729	-194.50			-12.683 -12.897 -12.787	3.280 5.290 7.088	+500
•350 •367 •383	8.933 9.027	-209.00 -219.30 -221.00 -226.50 -231.50 -236.80	15-1-C 15-30C	-221.00 -215.30 -225.00	-12.356 -11.597 -10.477 -9.051 -7.545	7.088 8.749 10.038	•525 •550 •575
	8.980	-226.50 -231.50	15.22C	-226.5C	-10.477 -9.051	11.379	-600 -625 -650
50 67	8 · 130 7 · 623	-236.80 -241.70 -249.20 -257.90	13.78C 12.92C 11.56C 9.52C	-236.80 -241.20 -249.20 -257.90	-6.224	11.322	•675 •700 •725
.63 .500 .517	5.617 5.121 4.319	-257.90 -267.20 -280.50	9.52C 8.68C 7.32C	-257.90 -267.20 -280.50	-1.996 424 1.334	9.308 8.670 7.197	•750 •750
.533	3.511 3.564	-280.50 -298.50 -320.50	6.46C 6.04C	-298.5C	3.082 4.661 5.998 7.399	3.842	.800
.550 .567 .583	3.811	-359.00	7.400	-338.20 -359.00	7.399	2.399 .129 278	.850 .875
.600 .617 .633		-361.80 -381.00	9.940	-361.80 -381.00	9.280	-3.562 -5.192 -6.623 -7.793 -8.729 -9.358	·955 ·950 ·975
.650 .650	7.174	-393.CC -397.10	9.940 11.060 12.160 12.920 13.440 13.520	-381-60 -388-00 -393-00 -397-10 -400-50 -403-80	9.280 9.765 10.198 10.305 10.220 9.758	-6-623	1.000 1.055 1.050
.633 .650 .667 .683 .700 .717 .733	5.865 6.525 7.17* 7.623 7.930 7.977	-381.00 -388.00 -393.00 -397.10 -400.50 -403.80	13.440	-+CC-5C	9.758	-9.358	1.050
·717 ·733			13.18C 12.58C 11.06C 9.860	-406.40 -411.50 -413.00 -414.50 -417.20 -422.00	7.831	-9-545 -9-845 -6-833 -8-027 -7-296	1-075 1-100 1-125 1-150 1-175 1-200
.767	6.525 5.817 5.121	17.20	9.860 8.680	-414.50 -417.20	* · 702	-8.027 -7.296 -6.163 -4.842	1.175
.800 .817	3-056 1-8-1 1-133	29.20 45.50	5.18C 3.12C	-423.20 -445.50	1.839	-3-110	1.225
.800 .817 .833 .850 .867	1.133	-491.00 -546.60	2.780	-491.00 -546.60 -565.50	-2.762	-3-110 -1-49 -320 2-015 3-704 5-272	1.300
.883 .900 .917	2.761 2.761 4.012 5.165	-573.00 -577.00	9.86G 8.68C 6.98C 5.18C 3.12C 2.78C 4.68G 6.8GC 8.76C 9.86C	-546.60 -565.50 -573.00 -577.00	10.226 9.798 9.089 7.831 6.654 5.726 4.702 3.277 1.839 .245 -1.26c -2.762 -5.703 -6.994 -7.953	3.704	1.350
.933	5.817 6.726 7.729	-11.50 -13.00 -17.80 -17.80 -27.20 -25.50 -45.50 -565.50 -577.00 -565.00 -581.00 -581.00	9.86C 11.40C 13.10C 14.62C	-581.C0	-7.553 -8.604 -9.735 -10.692	6.338 7.479 8.766 9.971	1.400 1.425 1.450 1.475
.950 .967 .983	7.729 8.626 9.629	-581.00 -582.00 -583.00 -583.20	16.320	-583.20	-10-692	11-172	1-475
.,,,							

TABLE 3.2 (CONTINUED)

	ALFAL/HETAL0980		BETAL/B	BETAL/BETAC . 1.106		H/LAMDAG . 1.000		
	FREQUE	NCY . 300.00MHZ	PE	PEC12		D/LAMEAD0200		
		A. HEAS	URED CURREN	T CISTRIBLTION	IN MA/VOLT			
	HAN D	ATA	SEMAL	IZEC DATA				
214	16 °AG	IRFAZ	INMAG	INFAZ	INPEAL	INIMAG	Z/LAPDO	
.003	0.007	150.00	4.320	30.00	3.741	2.160	.003	
. 25	7.52	109.00	3.760	15.00	3.555	1.224	+025	
•7.5n	6.72	105.50	3.360	15.50	3.539	.898	.050	
75	0.16	80.00	3.000	-10.00	3.033	535	-075	
•100	5.300	62.00	2.900	-28.00	2.56.	-1.361	-100	
.125	0.000	45.00	3.000	-45.CC	2 - 121	-2-121	•125	
.15	0.400	29.50	3.200	-6C.5C	1.576	-2.785	•150	
-175	7.200	17.00	3.600	-73.CC	1.053	-3.443	-175	
.200	7.300	7.50	3.900	-82.50	.509	-3.867	.500	
.225	4.520	*1.00	4.260	-91 · CC	074	-4.259	.225	
. 650	9.000	-7.60	4.50C	-57.60	**595	-4.460	.250	
. 275	9.300	-13.50	4.640	-103.50	-1-093	-4.551	.275	
.300	9.000	-18.60	*.800	-1C8.CC	-1-483	-4.565	•300	
. 325	9.560	-55.00	4.760	-112.00	-1 - 791	****32	•325	
.350	9.400	-26.80	4.700	-116.80	-2-119	-4-195	•350	
.375	9.100	-3C-CC	4.50C	-15C - CC	-2-250	-3.897	•375	
• A do	0.200	-34.60	• 100	-124.60	-5-358	-3-375	••00	
. 125	7.440	-+G.CC	3.720	-130.00	-2-391	-2-850	.425	
50	0.000	*45.40	3.200	-135.40	-2-278	-2.247	• • • 50	
75	5.540	-52.00	2.720	-142.00	-2-143	-1-675	.475	
.500	**320	-62.20	2.160	-152.20	-1-911	-1-007	+500	
.525	3.320	-79.00	1.660	-165.CC	-1-630	317	•525	
.550	2.765	-106.50	1.360	-196.50	-1-323	. 392	•550	
+575	2.540	-138.00	1.420	-228.CC	95C	1.055	•575	
.600	3.000	-165.00	1.800	-252.00	556	1.712	•600	
.625	*****	-176.50	2.300	-266.5C	140	2.296	+625	
. 550	2+6+0	-185.CC	2.850	-275.00	.546	2.809	-650	
+675	6.600	-190.00	3.300	-28C - CC	•573	3.250	-675	
·700	7.520	-194.00	3.760	-284.00	•910	3.648	•700	
.725	6.200	-197.20	**10C	-287.20	1.515	3.917	•725	
.75	5 · nu 7	-199.5	***OC	-285.50	1 -469	4.148	•750	
.775	8 • 100	-201.50	4.400	-291.50	1.613	4.094	.775	
.600	8.600	-203.00	4.300	-293.CC	1.680	3.958	.800	
.825	1.910	-2000	* . 20C	-294.CC	1.708	3.837	.825	
4050	7.92	-205.20	3.960	-295.20	1.686	3.583	·850 ·875	
.675	7.2.0	-206.00	3.620	-296 · CC	1.587	3.254		
+900	0.00	-200.80	3.000	-296.80	1.353	2.678	•900	
.925	**100	-267.00	2.400	-297.CC	1.090	2.136	•925	
.950	3.520	-207.70	1.760	-297.7C	.818	1.558	•950	
.975	2.000	-208.00	1.000	-258.00	**69	.653	.975	
.984	1.520	-208.50	.76C	-298.50	•363	.668	.984	

8. MEASURED CHARGE CISTERBUTION IN PICCOLL/VOLT-P
HA- DATA NON-PALIZED DATA

2/-	.RMAG	FAZ	GNMAG	GNFAZ	GAREAL	GNIMAG	Z/LAMDAD
•006	17.356	-1.20	26.130	-1.20	26.094	547	-006
. 25	13.672	-6.60	20.500	-6.6C	20.424	-2.363	.025
	14.273	-13.00	19.960	-13.CC	19.448	-4.490	.050
. 75	12.967	-18.80	19.500	-18.80	18.460	-6.284	.075
•100	12.564	-24.00	18.900	-24.CC	17.266	-7.687	•100
+125	12.276	-29.50	18.46C	-29.50	16.067	-9-090	.125
•15n	11.478	•35.co	17.260	-35.CC	14.139	-9.900	•150
.175	1573	••c.5c	15.900	-+C.50	12.090	-10.326	•175
.200	9.576	.47.60	14.400	-47.60	9.710	-13-634	.200
.225	0.179	-54.00	12.630	-56.00	7.046	-10.446	.225
.250	7. 89	-67.00	1C.66C	-67.00	4.165	-9.813	.250
.275	5+18+	-81.20	9.300	-81.20	1.423	-9-191	.275
•300	5.366	-100.00	8.100	-1CC -CC	-1.4C7	-7.977	•300
.325	5.793	-122.60	7.960	-122.60	-4.289	-6.706	•325
+350	5.092	-142.80	8.5ec	-142.80	-6.818	-5-175	• 350
.375	0.49	-158.40	9.760	-158.4C	-9-075	-3-593	• 375
••00	7.435	-170.20	11-180	-170.20	-11-017	-1.903	••00
1425	2 . + 32	-179.20	12.680	-179.20	-12-679	**177	.+25
50	3.323	-185.80	14.020	-185.8C	-13.948	1.417	• • 50
++75	9.375	-190-60	15.00C	-19C -6C	-14.744	2 . 759	.475
•500	181	•195.cc	15.76C	-195.CC	-15.223	4.079	.500
1525	1 37.2	-198.00	16.530	-198-00	-15.692	5.099	.525
·550	11.79	-201.00	16.660	-201.00	-15.553	5.970	•550
. 5.75	10.680	-203.00	16.060	-203.00	-14.783	6.275	-575
•600	10.281	-205-80	15.400	-205.80	-13.919	6.729	•600
1625	9.376	-208.5c	14.100	-208-50	-12.391	6.728	+625
1050	A . 379	-211.00	12.600	-211.cc	-10.800	6.489	•650
. 6.75	7.142	-214.50	10.800	-214.5C	-8.901	6-117	+675
•7co	2.532	-219.00	8.560	-219.CC	-6.652	5.387	•700
.725	**.96	-227.20	6.160	-227.20	-4-185	**550	.725
•75n	2.505	-244.00	3.760	-244.CC	-1 -6+8	3.379	.750
.775	1.594	-290.00	2.400	-290.00	.821	2.255	.775
.800	2 . 491	-342.00	3.520	-3+2.CC	3.348	1.088	.800
.025	3.497	-362.00	5.860	-362.00	5.856	**20*	.825
. 250	5.586	*37C+UC	8.400	-37C . CC	8.272	-1-459	.850
. 475	7.182	-375.cc	10.800	-375 · 00	10.432	-2.795	.875
.900	4.179	-277.60	12.300	-377.CC	11.763	-3-596	.900
.925	1.287	-378.8C	13.960	+378.80	13.215	-4-499	.925
.950	10.480	-379.hg	15.760	+279.8C	14.828	-5.338	.950
. 975	11.077	-3FC+#C	17.56C	-38C.8C	16.416	-6.236	.975
.987	10.567	-381.00	19.500	-381.0C	18.205	-6-988	.987

TABLE 3.2 (CONTINUED)

				on ronofole An		DIST EARTH	
	ALFALIFET	AL0621	BETAL/B	ETAC . 1.031	MILAN	CAO . 1.500	
	FREGUE	A. MEA	SUNED CLEREN	• .C12 1 C151618L7186		.0500	
	9A= 3	ATA					
2/-	IF "AG	19FAZ 130.cc 112.6c 96.uc 79.cc	INFAG	INFAZ	INFEAL	INIMAG	Z/LAMDO
. (32 . 17 . 33 . 50	0.157 1.15 1.27g	112.60	2.78C 2.38C 2.18C 2.14C 2.22C 2.44C 2.70C	3C.00 12.6C -4.0C -21.0C -51.0C -63.0C -71.8C -79.6C	2.408 2.323 2.175 1.998 1.737 1.536	1.390	-003
. 50	1.37	79.00	2.140	-21.00	1.998	-519 152 767	.025 .050 .075
. 63 .100 .117	****** 5 5	37.00	2.440	-51.0C		-1.382 -1.896 -2.406	.100 .125 .150
.:33	6.1.	56.50	3.240	-71.8c -79.60	·931	-2.406 -2.831 -3.187	.200
•150 •167	6.975 6.975	79.00 61.50 49.00 37.00 28.20 26.40 14.00 8.80 3.60	3.460 3.560 3.760 3.730	-86.00 -91.20 -96.40 -100.80	075	-3.452	·225 ·250 ·275
-183 -206 -217	0.074		3.700	-100.80 -105.50		-3.737 -3.634 -3.469	.300
.233	6.195	-5.50 -10.50 -15.00	3.60C 3.60C 3.30C	-105.80 -115.80 -115.00 -125.00 -125.00 -125.00 -132.20 -111.60 -154.60 -172.00	-1-412	-3.469 -3.260 -3.027	·350 ·375
.267	5.751 5.194	-15.CC -20.CO -25.50 -32.20	3.100 2.800 2.440 2.100	-12C.0C	-1.550 -1.626 -1.639	-2.685 -2.280 -1.808 -1.304	25
.300 .317 .333	3.195 3.739 2.782	1.60 -54.60 -72.00	2.100	-141.60 -154.60	-1.646 -1.626 -1.485	-1.30*	.475 .500
•350 •367	2.742 2.597 2.745	-72.00	1.8GC 1.5GC 1.4GC	-172.00	-1-485		•525 •550 •575
.383 00	3.191	-94.20 -116.00 -135.60 -147.50	1.000 1.480 1.720 2.020 2.380 2.700 2.980 3.180	-210.CC -235.60	-1-357 -1-197 972 773	.343 .870 1.419 1.866	•575 •600 •625
••33 ••50 ••67	5.009 5.528		2.38C 2.700	-256.60 -263.40		2.315	-650 -675
. 483		-163.40 -168.50 -172.80	3.180	-268.50 -272.80	-155	2.979	•700 •725
•500 •517 •533	6.159 6.344 6.455	-170.CO	3.420	-276.00 -275.00	• 535	3.302 3.378	•750 •775 •800
•550 •567	6.159	-182.20 -187.00		-282.20	.702	3.406 3.245 3.079	-825 -850 -875
.563 .600 .617	6-159 5-979 5-528 4-697	-172-8g -176-C0 -179-C0 -181-80 -182-20 -187-00 -1893-00 -197-00 -203-00	3.320 2.980 2.000 2.000	-194.20 -218.60 -235.60 -247.56 -254.60 -264.50 -272.80 -274.60 -275.60 -281.80 -282.20 -283.40 -283.40 -283.40	310 078 -155 -347 -535 -712 -702 -941 -995 1-032 1-053 1-025 -977 -877	2.809 2.430 2.067	.875 .900 .925
.617 .633	3.52.	-203.00 -210.00	1.90C 1.52C	-303.00	1.035		•950 •975
.667 .683	1.966	-25.80 -25.80 -296.00	1.06C .78C .78C	-325.8C -354.8C	·877	1.164 .596 .071 458	1.000
.700 .717	1.447		1.100	-303.00 -310.00 -25.80 -35.80 -396.00 -24.00 -438.00 -45.00 -45.00 -45.00 -45.00 -45.00 -45.00	*631	458	1.050
.733 .750	3.599	-324.00 -338.00 -344.20 -349.00 -354.00 -357.00 -358.50 -360.00	1.98C 1.98C 2.32C 2.70C	-438.CC	*308 *196 *040 *188	-1.448 -1.930 -2.320 -2.693	1 · 100 1 · 125 1 · 150 1 · 175
.783 .6UC .617	5.009	-354.00 -355.00		-454.00 -455.00	188	-2.693 -3.009 -3.295	1 · 175 1 · 200 1 · 225
. 233	6.159 6.533	-357.cc -358.5c	3.320 3.520 3.460	-457.00 -458.50	263 605 520	-3.295 -3.481 -3.407	1 · 225 1 · 250 1 · 275
.850 .867 .883	6.272	-360.00 -361.00	3.380	-46C-00	601 587 618	-3.329	1.300
.9C0	5.713	-361.5g -362.cc -362.5g	3.08C 2.86C 2.38C	-461.50 -462.00 -462.50	*****	-3-018	1.350
.933 .950 .967	3.524 2.597	-363.00 -363.00	1.93C 1.40C	-463.00 -463.00	515 427 315	-2.32* -1.851 -1.36*	1.400 1.425 1.450
.983 .989	1.595	-363.00 -363.00	.860 .620	-463.00 -463.00	193 139	838	1 - 475
	RAN D	ATA	NORPA	ISTRIBUTION IN			
2,0	GR"AG	CRFAZ	GNMAG	SNFAZ	CHREAL	CNIMAG	
.004 .017 .033	13.900 10.500 9.400 8.900 8.300 7.950 7.150	-3.00 -6.50 -11.00	22.240 16.800 15.040 14.240 13.280 12.720	-3.00 -6.50 -11.00	22.210 16.692 14.764 13.729 12.479 11.565 9.847	-1.16* -1.902 -2.870	.006 .025 .050
.033 .050 .067	8.900	-11.co -15.co -20.co -2*.60	15.040	-11.00 -15.40 -20.00 -24.60	13.729	-2.870 -3.782 -4.542	• 0.75
.083	7.950	-24.60		-24.60 -30.60 -37.20	11.565	-5.295 -5.823	•100 •125 •150 •175
·100 ·117 ·133	5.750	-30.60 -37.20 -45.60	10.480	-37.20 -45.60 -56.00			·175 ·200 ·225
•150 •167 •183	5.100 4.300	-69.20	8.16C 6.88C 6.24C 6.08C 6.40C 7.28C 8.32C 9.28C	-69.20 -86.00 -114.50	6.437 4.563 2.443 .435 -2.521 -3.579 -5.626	-6.765 -6.432	•250 •275 •300
-200	3.900 3.800	-86.00 -114.50 -124.00	6.080	-114.5C	-2.521 -3.579	-6.225 -5.533 -5.306	•300 •325 •350
·233 ·250	***550 5*200 5*800	-124.CO -14C.6C -152.8C -162.CC	7.28C 8.32C 9.28C	-14C.6C -152.8C	-5.626	-5.306 -4.621 -3.803 -2.868	•350 •375 ••00
.267 .283 .300	6.400 6.900	-169.50 -174.50	1C.2+C 11.0+C	-169.5C	-3.579 -5.626 -7.400 -8.826 -10.069 -10.989	-1.866	·+25
·317	7.300	-179.50 -183.00	12.160	-179.50 -183.00	-12.143	102	.475
•350 •367	7.700	-187.00	12.320	-114.5C -124.0C -140.6C -152.8C -165.5C -174.5D -179.5C -187.0C -190.5C -193.5C -197.0C	-12.226	2.260	•525 •550 •575
.383 .400	7.600 7.300 6.700	-193.50 -197.00 -200.50	12.16C 11.68C	-197.00 -200.50	-12.192 -11.824 -11.170 -10.041 -8.701 -7.205	2.839 3.415 3.754 4.057	•600
.433	6.000	-200.50 -205.00 -210.00	9.60C 8.32C	-210.00	-8.701 -7.205	4.160	-650 -675
67	3.500		7.20C	-216.00	-3-747	4.232 4.162 4.113	•700 •725
•500 •517 •533	2.825	-218.00 -228.00 -245.50 -270.50 -298.50 -319.00 -337.50	4.52C 4.00C 4.16C	-245.50 -270.50 -298.50	-1.874 -035 1.985	4.000	• 750 • 775 • 800
.550 .567	2.600 2.750 3.600	-319.00 -337.50	***OC	-319.CC	3.321	3.656 2.887 2.204	.825 .850
.583 .600	4.450	-340.00	7.12C	-346.80	6.932	1.626	·875
.633 .650	5.200 5.950 6.500 7.100 7.300 7.200 6.800	-356.80 -366.00 -363.00 -365.00 -366.80 -370.00 -371.00	11.000	-356.80 -360.00 -363.00 -365.00	9.505 10.400 11.025 11.317 11.598 11.345 10.680	000	.925 .950 .975
.683	7.100	-365.00 -366.80	11.0+C 11.3+C 11.6+C	-365.00 -366.80	11.317	990 -1.383	1.000
.700	7.200	-37C.CC -371.CC	11.68C 11.52C 1C.88C	-366.8C -370.00 -371.5C -373.6C -374.6C -386.0C -386.0C -390.0C -412.6C -411.00	11.598 11.345 10.680 9.564 8.730	578 990 -1-383 -2-000 -2-076 -1-546	1.025 1.050 1.075
•733 •750	6-800 6-100 5-600 800 4-000 3-200 2-200 1-137 800 1-650 2-750 4-000	-373.00	9.76C 8.96C	-371.50 -373.00	7.564		1.100 1.125 1.150
.767 .783	**000	-380.00	7.68C 6.400 5.12C	-382.00	8.730 7.452 6.014 4.747 3.048 1.121 -689 -2.525 -4.376	-1.858 -2.189 -1.918 -1.760	1.150 1.175 1.200 1.225
.800 .817 .833	2.200	-390.00	3.52C	-412.00	1.121	-1.760	1 · 225 1 · 250 1 · 275
.850 .867 .883	1.650	-481.CO -523.CC	2.640	-523.00 -523.00	-2.525	-1.097 772	1.300
.883 .900 .917	2.750 4.000 5.000	-540.00	6.400	-5+C+CC	-6.400 -7.989 -9.098	-1.760 -1.434 -1.097 772 460 -000 -419 -636	1.350 1.375 1.400 1.425
.933	5.700 5.700 6.300	-365.00 -360.46 -371.50 -371.50 -371.50 -373.00 -386.00 -386.00 -386.00 -390.00 -481.00 -881.00 -534.00 -548.00 -548.00 -548.00 -548.00 -548.00 -548.00 -548.00 -548.00 -548.00 -548.00 -548.00	9.120	-5.00 -5.3.00 -5.4.00 -5.50	-10.034	·636 ·966	1.400
.967 .983	7.400 8.500 9.500	-54*.00 -5*3.00 -5*3.00 -5*5.50 -5*7.00 -5*8.00 -5*8.00	7.68C 6.40C 5.12C 3.52C 1.82C 2.64C 6.40C 6.40C 5.12C 10.08C 11.84C 13.60C	-547.00 -548.00 -548.00	-10.034 -11.752 -13.468 -15.052	1.443 1.893 2.115	1.450 1.475 1.487
.991	9.500	-548+00	10.500	-346100			

TABLE 3.2 (CONTINUED)

	DISTRIBUT	ION OF CLARENT	AND CHARGE	A PUNDPOLE AN	TENNA OVER M	DIST EARTH	
	ALFAL/RETA	0621	BETALIES	TAC . 1.031	HILAM	CAG . 1.000	
		CY . 300.00HHZ		012	DILAMEAD		
				T DISTRIBUTION	IN MAJVOLT		
	SAN D		NORMAL	IZEC CATA			
						In I MAG	Z/LAPDO
2/-	IHMAG	IRFAZ	INMAG	INFAZ	INREAL		
03	1.994	170.00	2.240	35.60	1 - 835	1.285	*003
. 25	3.213	151.20	1.80C	16.20	1.729	.502	-050
.050	2.363	125.10	1.660	-9.90	1 . 635	956	.075
. 75	3. 3.	100.80	1.700	-34.20	1.406		.100
•100	3,006	82.40	2.020	-52.60	1.227	-1.605	.125
.125	**28*	70.60	2.400	-64.20	1.045	-2.161	-150
.150		62.30	2.740	-72.7C	.815	-2.616	-175
175	5.905	56.20	3.1.0	-78.80	*610	-3.080	.200
.175	5.998	51.10	3.300	-83.90	.3*7	-3-3+1	.225
.225	597	47.20	3.690	-87.80	*1*0	-3-637	.250
.250	0.712	+3.60	3.760	-91.40	092	-3.759	.275
.275	0.712	40.50	3.760	-94.5C	295	-3.748	300
.300	6.712	38.00	3.760	-97.00	+58	-3.732	.325
.325	0.533	30.60	3.660	-100.20	648	-3.602	.350
.350	0.140	32.50	3.440	·102.50	745	-3.358	.375
. 175	5.641	30.00	3.160	-1c5.cc	818	-3.052	**50
	4.891	26.00	2.740	-109.00	892	-2.591	25
••00	****	22.00	2.400	-113.0C	938	-5.509	**50
••50	3.391	15.60	1.900	-119.20	927	-1-659	.475
75	2.713	7.30	1.520	-127.70	930	-1.203	.500
500	1.492	-9.50	1.060	-144.5C	863	616	.525
.525	1.392	-+2.00	.78C	-177.CC	779	**0*1	.550
-550	1.571	-85.CC	.84C	-550.00	674	.566	-575
.575	2.285	-109-00	1.200	-244.00	561	1.150	.600
.600	3.142	-121-00	1.760	-256.QC	426	1.708	.625
.600	3.491	*127.CC	2.180	-262.00	303	2.159	-650
.650	712	-131.70	2.6+0	-266.70	152	2.636	-675
.675	5.355	-134.20	3.000	-265.20	0+5	3.000	•700
.700	5.998	-136.50	3.360	-271.5C	.088	3.359	.700
.700	6.355	-138.00	3.560	-273.00	.186	3.555	.750
.750	6.712	-139.50	3.760	-274.5C	.295	3.748	.775
.775	0.533	-101-00	3.660	-276.CC	•383	3.640	
.800	6.497	-141-40	3.640	-276.40	06	3.617	.800
.825	6.2.7	-141-80	3.500	-276.80	**1*	3.475	.825
.550	5.190	-143.00	3.300	-278.CC	.459	3.268	-850 -875
.875	5.391	-143.50	3.020	-278.50	***6	2.987	
•900	***98	-144.20	2.520	-275.20	.+03	2.488	+900
.900	399	-144.8C	1.960	-275.8C	+334	1.931	-925
.950	2.713	-145.50	1.520	-280.50	•277	1.495	•950
.950	1.542	-146.00	.920	-281.CC	•176	.903	•975
.984	1.142	-1+6-00	+6+0	-281.CC	•125	.628	.984

e. PEASURED CHARGE DISTRIBUTION IN PICCOUL/VOLT-P

2/-	.RMAG	.RFAZ	GNMAG	GNFAZ	CHREAL	CNIMAG	Z/LAMDAG
.006	1100	-2.00	22.560	-2.cc	22.546	787	.006
. 25	10.500	• • • 50	16.80C	**.5C	16.748	-1.318	.025
	9.500	-7-50	15.200	•7.5C	15.070	-1.984	.050
•650	3.650	*1C.5C	13.8+C	*1C.5C	13.608	-2.522	.075
-075 -100	4.000	-14-20	12.800	-14.20	12.409	-3-140	-100
.125	0.700	-18.20	10.720	-18.20	10.184	-3.348	-125
•125 •15c	0.700	-22.70	10.240	-22.70	9.447	-3.952	.150
	5.500	-28.5C	8.960	-28.5C	7.874	-4-275	.175
•175	5.500	-36.50	7.360	-36.50	5.916	-4.378	.500
.200	3.550	-48.00	5.680	-+8.00	3.801	221	.225
.225	2.850	-66.00	4.560	-66.00	1.855	-4.166	.250
.250	2.475	-93.00	3.960	-93.CC	***207	-3.955	.275
.275	2.550	-162-00	4.240	-122.00	-2.247	-3.596	•300
.300	3.300	-143.00	5.280	-1+3.CC	-4.217	-3-178	.325
.325	**100	-155.80	6.560	-155.80	-5.98+	-2.689	.350
•350		-164.30	8.000	-164.30	-7.702	-2-165	• 375
.375	5.105	-170-00	9.200	-17C-CC	-9.060	-1.598	00
**00	5.75	-174.30	10.240	-174.30	-10-189	-1.017	.425
.+25	0.400	177.20	11.200	-177.20	-11-187	547	.450
.450	7.100	-179.80	11.8.0	-175.8c	-11-840	041	.475
75	7.400	-152.00	12.160	-182.00	-12-153	.424	•500
•500	7.600	-184-50	12.480	-184-50	-12.442	.979	.525
.525	7.800		12.320	-186.20	-12.248	1.331	.550
.55j	7.700	-186.20		-188.00	-11.566	1.626	-575
.575	7.300	-188.00	11.68C	-189.60	-10-807	1.828	•600
	6.857	-189.60	9.760	-191-80	-9.554	1.996	.625
25	6.100	-191.80		-194.CC	-8.228	2.051	+650
.450	5.300	-194.00	8.480	-196.80	-6.740	2.035	+675
.675	***30	-196.80	7.040		-5-079	1.950	.700
.700	3.900	-201.00	5.4+0	-501.00	-3.108	1.737	.725
.725	2.225	-209.20	3.560	-209.20		1.393	.750
.750	1.050	-536.00	1.680	-236.CC	.915	1.214	.775
.775	.953	-307.00	1.520	-307.00		.912	.800
.000	1.750	-343.00	3.120	-3-3-00	2.984	.510	+825
. 25	3.450	-35*.00	*-880	-35 · CC	6.876	.240	.850
.850	***300	-358.00	6.880	-358.00	8,719	**152	.875
. 475	5.450	-361.00	8.720	-361.CC	9.589		.900
.900	6.000	-362.80	9.600	-362.80	11,093	776	.925
.925	6.950	•36*·CC	11.120	-364.00 -365.00	12.593	-1-102	.950
.950	7.940	•365.CO	12.640		14.334	-1.380	.975
.975	9.000	-365.50	14.400	-365.50		-1-593	.987
.987	13.720	-365.60	16.320	-365.60	16.2.2	-1.093	190/

TABLE 3.2 (CONTINUED)

	EISTRIBUT	ION OF CLARENT	AND CHARGE 6	N PONOPOLE AN	TENNA OVER PO	IST EARTH	
	ALFAL/HETA	L C98C	BETAL/BE	TAC . 1.106	W LAME	40500	
	FRETUEN	L • .0980 CY • 300.00MH2	PE	012	D/LAPEAD .	.0200	
		A. MEA	SURED CURRENT	CISTALELTION	IN MA/VOLT		
	SAN DA		NORMAL !				
2/+	INTAG	18F AZ 130.00 111.80 84.80 53.40 31.00 18.50 -1.00 -6.50	INMAG	INFAZ	INREAL	INIMAG	Z/LAPDO
	***600	130.00	2.400	*5.00 26.80 20 -31.60 -55.00 -66.80 -76.50 -82.00 -83.20 -93.20 -93.20	1.697 1.607 1.500	1.697 .812 005 828	·003 ·025
•050 •100 •150	3.500 3.500 3.100 3.100 5.00	111.80	2.+0C 1.80C 1.50C 1.58C 2.00C 2.50C	26.80	1.607	005	-050
.150	3.100	53.40	1.540	-31-60	1.244	-1.618	.075 .100
.250	5. 100	18.20	2.500	-66.80	.985	-1.618 -2.298 -2.917 -3.466 -3.990	·125
.350	7.1.00	3.00	3.500	-82.00	: 147	-3.466	·175
••00	5.100 6.100 7.100 6.000 9.120 9.760 9.760	-1.20	2.500 2.500 3.500 3.500 4.000 4.500 4.500 4.500 4.760	-89.20	1-246 1-176 -985 -700 -487 -279 -060 -119 -323 -415 -563 -585 -585	-4.300 -4.558 -4.869	.225
•500 •550	9.120	-6.50 -8.60 -10.00	*-500	-93.80	353	-4.869	-275
.650	9.523	-10.CO -11.10	4.560	-93.80 -95.00 -96.10			-325
-700 -750	7.92	-12.60	* . 56C * . 26C 3 . 96C	-97.60 -98.50	563	-3.917	·350
.000	6.400	-10.00 -11.10 -12.60 -13.50 -14.00 -16.00	3.300	-97.60 -98.50 -95.40 -100.00	539 448 359	-4.223 -3.917 -3.256 -2.541 -1.845	.400
.900	3.76	-16-00	1-840	-101-00	359	-1.845	**50
.950 .968	6.00 9.120 9.120 9.120 9.120 9.120 6.120 6.400 6.400 6.200 1.560	-10.00 -17.00 -17.50	4.26C 3.96C 3.30C 2.56C 1.88C 1.10C .78C	-102-00 -102-50		-1.076 762	
		B. FEASUR	EL CHANGE CI	STRIBUTER IN	10000074001-		
	RA- DA		NORPAL	GNFAZ		CNIMAG	Z/LAMDAO
2,+	URPAG	GREAZ	GAMAG	CVLAS	GREAL	CVIPAG	
•012 •50 •100 •150	16.293 13.03 11.730 11.50 10.501 9.494 3.501 7.138 5.732 3.999 2.999 1.786 2.005	.50 -1.80 -5.80 -7.50 -10.00 -12.80 -16.00 -19.50 -25.00	25.26C 2C.16C 18.1+C 17.06C 16.2#C 14.72C 13.16C 8.8+C 6.20C 3.72C 2.76C	CNFAZ -1.80 -5.80 -7.50 -10.00 -12.80 -15.50 -25.50 -24.40 -54.40 -177.60 -177.60 -175.50	25.259 20.150 18.047 16.914 16.033 14.354 12.669 10.520	.220 633 -1.633 -2.227 -2.827 -3.621 -3.633 -3.725 -3.736 -3.025 -2.751 -2.353 -1.968	.006 .025 .050 .075
-100 -150	11.700	-5.80 -7.50	18.1.C 17.06C	-5.80 -7.50	16.047	-1.633	-050 -075
.200 .250	10.501	-10.00	16.240	-10.00	16.033 14.354 12.669 10.520 8.012 5.140 2.165 217 -3.765 -6.863	-2.827	-100 -125 -150
•300 •350	7-138	-16.CO	13-160	-16.CC	12.669	-3.633 -3.725	•175
••00	5.732	-25.00 -34.00 -54.40 -94.50	8.840	-25.CC	8.012	-3.736	•200
.500	2.399	-54.40	3.720	-54.4c	2.165	-3-025	·225
.550	2.564	-148.CO -164.CO	2.760	-148.00	217 -3.765 -6.863 -9.837 -12.223	-2.353	-300
.700	0.398 2.895	-164.CC -172.ec -177.cc	7.1.C 9.92C 12.24C	-172.60	-9.837	-1.968 -1.278 641	• 350
• • • • • • • • • • • • • • • • • • • •	2.495	-177.00 -179.50	13.880	-177.CC -175.5C	-12.223 -13.879	*****	• • • • • •
-85c	11.197	-181.50 -183.00	15-50G	-181-50 -183-07	-15.495	.406 .917	• 125
.950	0.953 3.297 11.120 12.623 1.120	-181.50 -183.00 -184.00 -184.00	15.500 17.520 19.540 21.860	-175.5c -181.5c -183.0c -184.0c -184.0c	-13.879 -15.495 -17.496 -19.492 -21.807	.406 .917 1.363 1.525	.475
	DISTRIBUT ALFAL/DETA	118% OF CLRRENT	BETALZE	ETAC . 1.031	HALAM	040500	
	DISTRIBUT ALFAL/DET	AL0621 CY - 300.00ML	BETAL/8	• .C12	D/LAMCAD	040500 0500	
	ALFAL/GET	AL0621 ACY - 300.00M-2	BETAL/8	ETAC • 1.031 • .612 T DISTRIBUTION	D/LAMCAD T	040500 0500	
	ALFAL/GET	AL0621 ACY + 300.00M-2 A. ME	BETAL/8	ETAC • 1.031 • .612 T DISTRIBUTION	D/LAMCAD T	.0500	14,4800
2/1-	ALFALZOETI FRESUEI RAN DI	AL0621 ACY + 300.00M-2 A. ME	BETAL/8	ETAC • 1.031 • .612 T DISTRIBUTION	D/LAMCAD T	0A0500 0500	Z/LAMDO
	ALFALZOETI FRESUEI RAN DI	AL0621 ACY + 300.00M-2 A. ME	BETAL/8	ETAC • 1.031 • .612 T DISTRIBUTION	D/LAMCAD T	0A0500 0500	.003
•006 •150	ALFALZOETI FRESUEI RAN DI	AL0621 ACY + 300.00M-2 A. ME	BETAL/8	ETAC • 1.031 • .612 T DISTRIBUTION	D/LAMCAD T	0A0500 0500	.003
	ALFALZOETI FRESUEF RAN DI	AL0621 ACY + 300.00M-2 A. ME	BETAL/8	ETAC • 1.031 • .612 T DISTRIBUTION	D/LAMCAD T	0A0500 0500	.003
•006 •150	ALFALZOETI FRESUEF RAN DI	A. HEA ATA IRFAZ 150-00 120-80 70-90 37-20 37-20	BETAL/8	ETAC • 1.031 • .612 T DISTRIBUTION	D/LAMCAD T	INIMAG 1.180 .355 .381 -1.064 -1.19 -2.228	.003
.006 .150 .100 .150 .250	ALFALZOETI FRESUEF RAN DI	A. HEA ATA IRFAZ 150-00 120-80 70-90 37-20 37-20	BETAL/8	ETAC • 1.031 • .612 T DISTRIBUTION	D/LAMCAD T	INIMAG 1.180355361 -1.064 -2.228 -2.736	.003
.006 .150 .100 .150 .250	ALFALZOETI FRESUEF RAN DI	A. HEA ATA IRFAZ 150-00 120-80 70-90 37-20 37-20	BETAL/8	ETAC • 1.031 • .612 T DISTRIBUTION	D/LAMCAD T	DAG = .500 1N1MAG 1.18G .355 .381 -1.064 -1.019 -2.228 -2.736 -3.100 -3.52 -3.737	.003
.006 .150 .100 .150 .250	ALFALZOETI FRESUEF RAN DI	AL	BETAL/8	ETAC • 1.031 • .612 T DISTRIBUTION	D/LAMCAD T	DAG = .500 1N1MAG 1.18G .355 .381 -1.064 -1.019 -2.228 -2.736 -3.100 -3.52 -3.737	.003 .025 .050 .075 .100 .125 .150 .175 .250 .225 .250 .275
.006 .750 .100 .150 .250 .350 .350 .400 .450 .450	ALFALVOET: FREQUENT RAN DI IHMA; 3-2-3-3 2-40-3 3-76-6 3-76-6 3-76-6 3-76-7 3-79-9 7	AL	BETAL/8	ETAC • 1.031 • .612 T DISTRIBUTION	D/LAMCAD T	1A1#4G 1.18G 1.18G 1.18G 1.255 1.261 1.018 1.018 1.018 1.019 1	.003 .025 .050 .075 .100 .125 .150 .175 .250 .225 .250 .275
.006 .50 .100 .100 .250 .250 .350 .400 .560 .600 .650 .750 .850	ALFALVOET: FREQUENT RAN DI IHMA; 3-2-3-3 2-40-3 3-76-6 3-76-6 3-76-6 3-76-7 3-79-9 7	AL	BETAL/8	ETAC • 1.031 • .612 T DISTRIBUTION	D/LAMCAD T	1A1HAG 1.18G 1.18G 1.18G 1.1613 1.1613 1.1614 1	.003 .025 .050 .075 .100 .125 .175 .200 .225 .250 .275 .300 .315 .350
.006 -50 -100 -150 -250 -250 -350 -500 -500 -500 -500 -500 -500 -5	ALFALVOET: FREQUENT RAN DI IHMA; 3-2-3-3 2-40-3 3-76-6 3-76-6 3-76-6 3-76-7 3-79-9 7	AL	BETAL/8	ETAC • 1.031 • .612 T DISTRIBUTION	D/LAMCAD T	1000 1000 1186	.003 .025 .050 .075 .100 .125 .175 .200 .225 .250 .275 .300 .315 .350
-006 -50 -100 -200 -200 -300 -300 -400 -400 -550 -600 -700 -700 -700 -750	ALFALVOET: FREQUENT RAN DI IHMA; 3-2-3-3 2-40-3 3-76-6 3-76-6 3-76-6 3-76-7 3-79-9 7	AL	BETAL/8	ETAC • 1.031 • .612 T DISTRIBUTION	D/LAMCAD T	1A1HAG 1.18G 1.18G 1.18G 1.1613 1.1613 1.1614 1	.003 .025 .050 .075 .100 .125 .150 .175 .250 .225 .250 .275
.006 -50 -100 -150 -250 -250 -350 -500 -500 -500 -500 -500 -500 -5	A_FAL_MET. FREQUE! RAN D. IRMAJ 1-203307308 -	AL0021 KCY - 3CO.COMM IRFAZ ISC.CC ISC	BETAL/#! FE SUMED CLARES NORMAL INFAC 1.00C 1.00C 1.00C 2.70C 2.70C 3.00C 3.	ETAC - 1.031CJ2 T DISTRIBUTION IZED DATA INFAZ SCCC -	INFEAL 1NEAL -99C -993 -983 -983 -983 -983 -983 -983 -983	INIPAG 1.18G 1.1RG	.003 .025 .050 .075 .100 .125 .150 .125 .205 .205 .255 .255 .255 .255 .255 .2
.006 -50 -100 -150 -250 -250 -350 -500 -500 -500 -500 -500 -500 -5	A_FAL_MET. FREQUE! RAN D. IRMAJ 1-203307308 -	AL0021 KCY - 3CO.COMM IRFAZ ISC.CC ISC	BETAL/#! FE SUMED CLARES NORMAL INFAC 1.00C 1.00C 1.00C 2.70C 2.70C 3.00C 3.	ETAC - 1.031CJ2 T DISTRIBUTION IZED DATA INFAZ SCCC -	INFEAL 1NEAL -99C -993 -983 -983 -983 -983 -983 -983 -983	INIPAG 1.18G 1.1RG	.003 .025 .050 .075 .100 .125 .150 .125 .205 .205 .255 .255 .255 .255 .255 .2
- 1046 - 150 - 150 - 150 - 250 - 250 - 250 - 450 - 550 - 450 - 450 - 450 - 450 - 450 - 450 - 550 - 550	A_FAL_MET. FREQUE! RAN D. IRMAJ 1-203307308 -	AL0021 KCY - 3CO.COMM IRFAZ ISC.CC ISC	BETAL/# BETAL/# FEE LINE CLEAR LINE CL	ETAC - 1.031032032 T DISTRIBUTION IZED DATA INFAZ00	## ## ## ## ## ## ## ## ## ## ## ## ##	INIPAG 1.18G 1.1RG	- 003 - 025 - 055 - 055 - 100 - 125 - 125 - 125 - 225 - 225 - 225 - 225 - 325 - 325
.006 -500 -1500 -2500 -2500 -550 -500 -550 -500 -550 -55	A_FAL_MET. FREQUE! RAN D. IRMAJ 1-203307308 -	AL0021 KCY - 3CO.COMM IRFAZ ISC.CC ISC	BETAL/# BETAL/# FEE LINE CLEAR LINE CL	ETAC - 1.031032032 T DISTRIBUTION IZED DATA INFAZ00	## ## ## ## ## ## ## ## ## ## ## ## ##	101PAG 1.18G 1.18G 1.18G 1.18G 1.281 1.1069 1.107 1.1081	- 003 - 025 - 050 - 050 - 100 - 125 - 103 - 125 - 250 - 250 - 250 - 275 - 275
.006 -500 -1500 -2500 -2500 -550 -500 -550 -500 -550 -55	A_FAL_MET. FREQUE! RAN D. IRMAJ 1-203307308 -	AL0021 KCY - 3CO.COMM IRFAZ ISC.CC ISC	BETAL/# BETAL/# FEE LINE CLEAR LINE CL	ETAC - 1.031032032 T DISTRIBUTION IZED DATA INFAZ00	## ## ## ## ## ## ## ## ## ## ## ## ##	101PAG 1.18G 1.18G 1.18G 1.18G 1.281 1.1069 1.107 1.1081	-023 -025 -025 -025 -1025 -125 -125 -125 -125 -225 -225 -225 -2
.006 .500 .500 .500 .500 .500 .500 .500	A_FAL_MET. FREQUE! RAN D. IRMAJ 1-203307308 -	AL0021 KCY - 3CO.COMM IRFAZ ISC.CC ISC	BETAL/# BETAL/# FEE LINE CLEAR LINE CL	ETAC - 1.031032032 T DISTRIBUTION IZED DATA INFAZ00	## ## ## ## ## ## ## ## ## ## ## ## ##	101PAG 1.18G 1.18G 1.18G 1.18G 1.281 1.1069 1.107 1.1081	-023 -025 -025 -025 -1025 -125 -125 -125 -125 -225 -225 -225 -2
.006 .500 .500 .500 .500 .500 .500 .500	A_FAL_MET. FREQUE! RAN D. IRMAJ 1-203307308 -	AL0021 KCY - 3CO.COMM IRFAZ ISC.CC ISC	BETAL/# BETAL/# FEE LINE CLEAR LINE CL	ETAC - 1.031032032 T DISTRIBUTION IZED DATA INFAZ00	## ## ## ## ## ## ## ## ## ## ## ## ##	101PAG 1.18G 1.18G 1.18G 1.18G 1.281 1.1069 1.107 1.1081	-025 -026 -027 -027 -027 -027 -027 -027 -027 -027
.006 .500 .500 .500 .500 .500 .500 .500	A_FAL_MET. FREQUE! RAN D. IRMAJ 1-203307308 -	AL0021 KCY - 3CO.COMM IRFAZ ISC.CC ISC	BETAL/# BETAL/# FEE LINE CLEAR LINE CL	ETAC - 1.031032032 T DISTRIBUTION IZED DATA INFAZ00	## ## ## ## ## ## ## ## ## ## ## ## ##	101PAG 1.18G 1.18G 1.18G 1.18G 1.281 1.1069 1.107 1.1081	-021 -020 -020 -025 -025 -025 -025 -125 -125 -125 -125 -125 -125 -125 -1
	A_FAL_MET. FREQUET FRA D. 18-A D. 18-B D. 1	AL	BETAL/# BETAL/# FEE LINE CLEAR LINE CL	ETAC - 1.031032032 T DISTRIBUTION IZED DATA INFAZ00	## ## ## ## ## ## ## ## ## ## ## ## ##	101PAG 1.18G 1.18G 1.18G 1.18G 1.281 1.1069 1.107 1.1081	-025 -026 -027 -027 -027 -027 -027 -027 -027 -027
150 - 150 -	A_FAL_MET. FREQUET FRA D. 18-A D. 18-B D. 1	AL	BETAL/# BETAL/# FEE LINE CLEAR LINE CL	ETAC - 1.031032032 T DISTRIBUTION IZED DATA INFAZ00	## ## ## ## ## ## ## ## ## ## ## ## ##	101PAG 1.18G 1.18G 1.18G 1.18G 1.281 1.1069 1.107 1.1081	-023 -026 -027 -027 -027 -027 -027 -027 -027 -027
	A_FAL_MET. FREQUET RAN D. IRMAJ 1-203307308 -	AL . 0021 CCY = 300.00 Mm ATA IRFAZ IRFA	BETAL/# BETAL/# FEE LINE CLEAR LINE CL	ETAC = 1.031012012 INFAZ SC.CC023.4C033	D/LAFGAO D/LAFGAO IN #4/VBLT 1N #5	101PAG 1.18G 1.18G 1.18G 1.18G 1.281 1.1069 1.107 1.1081	-025 -026 -027 -027 -027 -027 -102 -123 -123 -123 -123 -123 -123 -123 -12
204 -150 -150 -150 -150 -150 -150 -150 -150	ALFALVOET, FREQUENT PARTIES 18-04 18-04 18-05 18-06	AL . 0021 CCY = 300.00 Mm ATA IRFAZ IRFA	BETAL/# BETAL/# FEE LINE CLEAR LINE CL	ETAC = 1.031012012 INFAZ SC.CC023.4C033	D/APTAO 1 D/APTAO 1 INFAL 1925 -981 -982 -982 -982 -982 -982 -982 -983 -983 -983 -983 -983 -983 -983 -983	101PAG 1.18G 1.18G 1.18G 1.18G 1.286 1.061 1.062 2.736 2.736 2.737 2.1629 2.3467 2.1629 2.3469 2.34	-025 -026 -027 -027 -027 -027 -102 -123 -123 -123 -123 -123 -123 -123 -12
- 150 - 150	ALFALVOET, FREQUENT PARTIES 18-04 18-04 18-05 18-06	AL	### A PART PART	ETAC - 1.031032	D/LAFGAD D/LAFGAD	500 0500 Inimag186	-025 -026 -027 -027 -027 -027 -027 -027 -027 -027
	ALFALVOET, FREQUENT PARTIES 18-04 18-04 18-05 18-06	AL	### A PART PART	ETAC = 1.031 032 032 INFAZ SCOCC 20.40 -23.40 -2	D/LAFGAD D/LAFGAD	500 0500 Inimag186	-025 -026 -027 -027 -027 -027 -027 -027 -027 -027
- 150 - 150	ALFALVOET, FREQUET FRANCISCO 18-A. D. 18-A.	AL . 0021 CCY = 300.00 Mm ATA IRFAZ IRFA	BETAL/#: ##################################	ETAC = 1.031012012 INFAZ SC.CC023.4C033	D/APTAO 1 D/APTAO 1 INFAL 1925 -981 -982 -982 -982 -982 -982 -982 -983 -983 -983 -983 -983 -983 -983 -983	101 PAG 101 PAG 101 PAG 101 PAG 101 PAG 102 PAG 103 PAG 104 PAG 105 PAG 107	-025 -026 -027 -027 -027 -102 -125 -125 -125 -125 -125 -125 -125 -12

TABLE 3.2 (CONTINUED)

	LISTALE	TION OF CLARE	T AND CHARGE		ATENNA OVER ,	OIST FARTH	
			BETAL,	BETAC . 1.011			
	746.06	A. M		ECIZ	DE PACUELT	• .1000	
	4A- 0						
2/1	IK-Y0	IRFAZ	INPAG	INFAL	INREAL	INIMAG	Z/LAPDO
· (2 • 17 • 33	1.00	150.00 130.00 102.00 77.80 57.50	1.9*C 1.46C 1.30C 1.38C 1.6*C 1.94C	-5.cc 25.cc -3.cc -27.20 -7.5c -58.6c	1-372	1.372	.003
. 67	1.07	77.80	1.380	-27.20	1.557	068 631 -1.209	·050
-150 -117	1.09.	38.00	1.940	-58.60	1.035	-1-690	-100 -125
.:33	1.09. 1.013 2.102 2.278	38.00 32.00 27.00	5.840	-67.00 -73.00 -78.00	1 · 032 · 906 · 766 · 599	-2-136 -2-506 -2-817	·175
-150 -167 -183	2.336	23.00	3.120	-82.CC	**3* *279 *087	-3.090	-225
.200	7.763 2.193	10.50	3.32C 3.26C 3.10C 3.00C	-85.50 -86.50 -91.00 -96.50 -97.00	057	-3.319	-300
233	1.786 1.796	8.50 8.00 •.50	3.000	-97.CC -1CC-EC	351 366 496	-3.080 -2.978 -2.674 -2.376	•325 •350 •375
.283 .300	1.562	-11.00 -24.50	2.72C 2.46C 2.14C 1.72C	-100.50 -105.60 -109.60 -116.00 -129.50	496 637 718 754 903	-2.376 -2.016	.400
.317 .333 .350	1.237	-24.50	1.42C 1.06C .82C	-129.5C	903	-1.096	75
•350 •367 •383	.539 .657	-39.00 -67.00 -100.50 -122.80 -137.50	.820	-144.00 -172.00 -205.50	812 812 779	114	•500 •525 •550
*****	1. 95	-122.80 -137.50 -145.50	.900 1.160 1.500 1.880	-205.50 -227.80 -242.50 -250.50	779 693 628	1.331 1.772	·575
.450 .450	1.635	-145.50 -150.80 -155.00 -158.00 -160.50	Z.2.C	-265.80	549	2.172	-650 -675
.483	2.000	-158.00 -160.50 -162.50	2.74C 2.98C 3.08C 3.12C	-263.00 -265.50 -267.50 -269.60	334	2.720 2.971 3.077	·700
.500 .517 .533	2.278	-105.00	3.120	-269.60	055	3.120	•750 •775
•550 •567	2.190	-166.50 -168.50 -170.50	3.10C 3.00C 2.80C 2.58C	-271.50 -273.50 -275.50	*081 *183 *268	3.099 2.994 2.787	-800 -825 -850
.583 .600 .617	1.035	-172.60 -175.80	2.58C 2.24C 1.88C	-277.60	•341	2.557	•875 •900
.633 .650	1.372	-175.80 -179.00 -183.40 -191.00 -208.00	1.5CC	-284.0C -286.4C -296.0C -313.0C -354.0C -4C1.0C	· 455	1.624	.925
.683	•526 •350 ••82	-208.00 -249.00 -296.00	1.1+C .72C .48C	-313.00 -354.00	•491 •477 •498	1.025 .527	1.000
.700 .717 .733	.745	-296.00 -318.60 -328.00	1.02C	-4C1.0C	**98	.050 433 914 -1.377	1.025 1.050 1.075
.750 .767	1.343	-333-10	1.840	-423.60 -433.00 -438.10	***** ***** *****	-1.377 -1.800 -2.154 -2.462	1.075 1.100 1.125
.783 .800 .817		-336.20 -338.00 -340.00	2.18C 2.48C 2.8CC 3.CUC	-441.2C -443.CC	.334	-2.462 -2.789 -2.996	1 • 150 1 • 175 1 • 200 1 • 225
.833 .850	2.190 2.336 2.321	-3+C.00 -3+2.00 -3+3.20	3.20C 3.18C	-447.00 -447.20 -448.20	-244 -157 -156 -100	-2.996 -3.196 -3.178	1 · 225 1 · 250 1 · 275
.867 .883	2.245	-344.50 -345.50	3.08C 3.00C	-449.CC -449.5C	•054 •056	-3.178 -3.080 -3.000	1.300 1.325
•900 •917	1.913		2.860	-45C-5C	025	-2.860	1.350
.933 .950 .967	1.635	-346.20 -346.50	2.2.C 1.76C	-451.20 -451.50	047	-2.240 -1.759	1.425
.983	•686 •+69	-346.80 -346.00	1.32C .94C .56C	-451.80 -451.00 -451.00	041 016 010	-1.319 940 560	1.450
				STRIBLTION IN F			
	SAN C						
2/=	URMAG	GRFAZ	GNMAG		GNREAL	CHIMAG	Z/LAMDAO
•004 •317 •333 •350 •67	4.958 3.696 3.158 2.918 2.083	-2.25 -4.10 -7.20 -10.00 -13.40	2C.66C 15.40C 13.16C 12.16C 11.18C	-2.20 -4.10	20.645 15.361 13.056 11.975 10.876	793 -1-101	•006 •025 •050 •075
. 5c	2.91A 2.683	-10-CC -13-+0	12.16C 11.18C	-10 -7.20 -10.00 -13.40	11.975	-1.101 -1.649 -2.112 -2.591	*100
•083 •100 •117	2.390 2.78 1.810 1.88	-21.50	8.660	-17.CC -21.5C	8.057	-2-912	·125
•133	1.488	-26.50 -34.50	7.54C 6.200	-26.50 -34.50	5.110	-3.364 -3.512	·175
•150 •167 •183	1.205 .922 .826 .912	-46.60 -65.60 -93.00 -120.00	5.02C 3.84C 3.44C 3.80C	-46.60 -65.60 -93.00 -120.00	1.586 -1.900	-3.647 -3.497 -3.435 -3.291	·225 ·250 ·275 ·300
•183 •200 •217 •233	1.128 1.440	-140.00	3.80C 4.70C 6.00C	-12C.0C -14C.CC -152.3C	-3.600 -5.312	-3.291 -3.021 -2.789	+325
.267	1.752 2.002 2.204	-160.60 -166.00	7.30C 8.34C	-16C.6C	-6.686	-2.425 -2.018	•350 •375 •400
.300	2.381	-140.00 -152.30 -160.60 -160.60 -170.50 -174.00	9.200	-166.co -166.co -170.50	-9.074	-2.425 -2.018 -1.518 -1.037	• 400 • 425 • 450 • 475
•317 •333	2.506 2.578 2.597	-180.00	10.44C 10.74C 10.82C	-178.60 -180.00	-10.437 -10.740 -10.813	255 -000 -378	• • • • • • • • • • • • • • • • • • •
•350 •367 •383	2.568	-104.00		-174-00 -178-60 -180-00 -182-00 -184-00 -187-00 -185-00 -195-00	-10.243	1.258	• 550 • 575
**************************************	2.333 2.93 1.844	-189.00 -189.00 -192.00 -195.00 -200.00	10.32C 9.72C 8.74C	-185.CC	-8.549	1.521	.600
••33 ••50	1.555	-195.00	7.70C 6.48C 5.18C		-7.438 -4.089	1.993 2.216 2.352	-650 -675 -700
.483 .500	506	-207.00 -218.00 -239.00	3.760	-207.00 -218.00 -239.00	-2.963 -1.339	2.315	•725 •750
·517	.523 .691	-281.00 -315.00 -331.50	2.180	-281.00	2.036	2.140	.775 .800 .825
•550 •567 •583	1.282	-331.50 -343.00 -349.00 -352.50	5.34C	-315.00 -331.50 -343.00 -345.00	5.107 6.597	1.561	·825
.000	1. 194	-352.50 -355.50	7.900 8.930	-352.5C		1.031	•900
.617 .633 .650	2.141 2.137 2.453 2.539 2.578 2.578	-358.00 -360.00	8.92C 9.72C 10.24C 10.54C 10.74C 10.48C	-368.00 -360.00	8.893 9.714 10.240 10.538 10.727 10.454 9.839 9.189 8.119	•700 •339 ••000	.925 .950 .975 1.000 1.025 1.050 1.075 1.100
.633 .650 .667 .683 .700 .717 .733	2.579	-361.00 -362.80	10.5+c 10.7+c	-361.00 -362.80	10.538	000 184 525 731	1.000
:717	2.214	-365.20 -366.00	9.240	-365.20 -366.CC	9.839	895 966	1.075
.75c .767 .783	1.713	-367.CC -368.CC	8-18C 7-16C 5-96C 4-66C 3-08C	-367.CC	7.090	895 966 997 996	1-125 1-150 1-175 1-200 1-225 1-250
.817	1.113	-370.00 -372.50	5.96C	-37C - CC -372 - 5C	5.869 4.550 2.912	-1.035 -1.009 -1.003 879	1.175
.533 .553	• 150 • 6• 5	-397.CO	1.46C 1.02C 2.38C	-397.00 -483.00	1.166	879 855	1.250
	1.963 1.71* 1.43 1.113 .739 .350 .645 .471 .974 1.382 1.762	-522.00 -531.00	2.380	-522.00 -531.00	1.166 556 -2.264 -4.010 -5.738 -7.336	735 635 502	1 · 300 1 · 325 1 · 350 1 · 375
.900	1.792	-955.50 -956.60 -960.00 -960.00 -960.00 -960.00 -960.00 -960.00 -960.00 -970.0	7.3°C	- 155 - 50 - 264 - c0 - 364 - c0 - 364 - c0 - 364 - c0 - 365 - 20 - 366 - c0 - 377 - c0 - 377 - c0 - 377 - c0 - 377 - c0 - 377 - c0 - 377 - c0 - 377 - c0 - 378 - c0 - 378 - c0 - 531 - c0 - 531 - c0 - 531 - c0 - 531 - c0			1.375
.933 .950	2.31.	-5+2-50 -5+2-50	9.6+C	-54C.8C -542.CC	-9.639 -11.133 -12.848	·135 ·389 ·561 ·763	1.400 1.425 1.450 1.475
.983	3.46	-5+2-50 -5+3-00	2-38C 5-76C 7-3+C 8-30C 9-6+C 11-1+C 12-86C 14-58C	-542.5C	-12.848 -14.560	·561 ·763	1 - 475

TABLE 3.2 (CONTINUED)

	CISTALBUT	ION OF CLARENT	AND CHARGE 6	A PENUFOLE AT	TENNA OVER P	IST EARTH	
		0438		TAC . 1.011	HALAM	DAG . 1.000	
		CY . 300.00MLZ		012	DILAMEND	.1000	
		A. MEA	SURED CURRENT	CISTRIBUTION	IN MA/VOLT		
	QA. DA	TA.	KORPALI	ZEC CATA			
2,14	IRMAS.	IRF AZ	INFAG	INFAZ	INFEAL	INIMAG	Z/LAPDO
·103	2.944	150.00 127.00 91.00 59.00		48.00 25.00 -11.00	1.084	1.204	.003
• 25 • 35n	2.948	91.00	1.12C 1.00C 1.22C 1.60C 1.98C 2.36C	-11.00	.985	191	.025 .050 .075
• 075 • 100	2.912		1.220	-55.40	-892	632 -1.377 -1.848	·100
.125	3.554	33.00	1.980	-65.CC -75.CC	.814 .710 .611	-1.848	·125
•150 •175 •200	**295	33.00 27.00 22.80 19.50 17.20		-79.20	.495	-2.280 -2.593 -2.955 -3.147 -3.236	•175 •200
·200	5.751 5.497	19.50	2.980 3.160 3.240	-82.5C	·389	-3.147	.225
•25g	5.497	15.00	3.2.0	-87.CC	•286 •170 •045	-3.236 -3.240 -3.280	·250 ·275
•300		11.00	3.240	-91.00	057	-3.280	·300
•325 •35c	5.715	15.00 12.80 11.00 7.50 5.50 5.50 -5.00 -12.00 -70.00 -130.00 -155.00 -158.00 -158.00 -158.00 -158.00	3.28C 3.1+C 2.98C 2.70C 2.32C 1.98C 1.52C 1.12C	-78.00 -78.00 -82.50 -82.50 -87.00 -91.00 -91.00 -94.50 -107.00 -114.00 -118.00 -232.00	057 164 234 306 363	-3.280 -3.136 -2.971 -2.683 -2.291 -1.937 -1.654 -1.023	-250 -375
•350 •375 ••00	4.722	3.00	2.700	-96.50 -99.00	363	-2.683	.400
25	3.604	•00	1.980	-102-00	+12	-1.937	**25 **50 **75
••5c	2.334	-12.00	1.120	-11*-00	56	-1-023	
.500	1.238	-76.00	.68C	-178.00		513 015	•500 •525 •550
•550 •575	1.264	-13C.CC		-232.CC	406	1.012	+575
•600	2.903	-155.00	1.08C 1.54C 1.92C	-232.00 -245.50 -257.00 -260.50 -263.50	346	.520 1.012 1.501 1.894 2.305	·600
.650	5-7/5 5-725 5-724 4-724 2-766 2-766 2-766 2-766 1-238 1-231 1-266 3-94 1-271 1-565 3-94	-161.50	2.320	-263.50	263	2.305	•650
.675 .700		-163.00 -164.50	2.640	-265.CC -266.5C	178	2.630 2.915 3.078	·675
•725 •750	5.000	-166.CD	3.080	-268.00 -269.00		3.260	.725 .750 .775
.775	5.97g 5.897 5.715	-167.00 -168.00 -168.50	3.240	-265.CC -270.00	•000	3.240	.775 .800
·800	5 • 132	-169-00	3.1.C 2.82C	-270.00 -270.50 -271.00	•049	3.140	
.850 .875	5.205	-170.00 -170.00	2.860	-272.CC	-091	2.858	.850 .875
•900 •925	3.1.95	-170.00 -170.50 -171.00	2.1+C 1.76C 1.30C	-272.CC -272.5C	*C75	2.139	.900
•950 •975	3.2.3	-171-00	1.35C .8CC	-273.CC	•068	1.298	•950 •975
.984	1.456	-171.50 -171.00	-560	-273.50 -273.00	•091 •075 •077 •068 •049 •029	.559	.984
		e. MEASU	RED CHARGE CI	STRIBLTION IN	PICCOLL/VOLT		
	FA. D	B. FEASU		STRIBUTION IN	PICCOLL/VOLT	.,	
					PICCOLL/VOLT	.*	
					PICCOLL/VOLT		
2/14	RAA D	ATA JAFAZ	NORMAL Gamag	IZEC DATA	GAREAL	SNIMAG	Z/LAHDAO
	RAA D	ATA JAFAZ	NORMAL Gamag	IZEC DATA	GAREAL	2N[FAG -726	.006
•006	RAA D	ATA JAFAZ	NORMAL Gamag	IZEC DATA	CNREAL 20.787	2N[FAG -726	.006
.006 .25 .5u .75	.F~AG 12.792 3.596 0.790 7.991	.RFAZ -2.00 -3.30 -4.50 -6.50 -9.00	NORMAL Gamag	IZEC DATA	CNREAL 20.787	2NIFAG 726 889 -1-058 -1-379	•006 •025 •050 •075
.006 .25 .50 .75	3A~ 0	.RFAZ -2.00 -3.30 -4.50 -6.50 -9.00	NORMAL Gamag	IZEC DATA	GREAL 20.787 15.414 13.438 12.102 9.554	SNIFAG 726 689 1058 1079 1735 21143	•006 •025 •050 •075
.06 .25 .55 .75 .100 .125 .150	7A 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ATA AFAZ -2.00 -3.90 -4.50 -6.50 -11.50	NORMAL Gamag	IZEC DATA	GAREAL 20.787 15.414 13.438 14.438 14.438 14.438 14.438 14.438 14.438 14.438 14.438 14.438 14.438 14.438 14.438 14.438 14	CN[#AG 726 889 1-058 1-379 1-731 1-1-43 2-1-43 2-2-65	.006 .025 .050 .075 .100 .125 .150
.06 .25 .5u .75 .100 .125 .150 .75	1A*A5 12.792 9.496 0.793 7.493 0.602 0.602 0.602 0.603	ATA AFAZ -2.00 -3.90 -4.50 -6.50 -11.50	NORMAL Gamag	IZEC DATA	GAREAL 20.787 15.414 13.438 12.102 10.924 4.558 4.574 4.574 3.332	CN[#AG 726 889 1-058 1-379 1-731 1-1-43 2-1-43 2-2-65	.006 .025 .050 .075 .100 .125 .150 .175
.06 .25 .50 .75 .100 .125 .150 .75 .200 .225	18*A5 12.792 9.496 7.493 7.493 6.29 9.293 1.296 2.594 1.448	ATA AFAZ -2.00 -3.90 -4.50 -6.50 -11.50	NORMAL Gamag	IZEC DATA	GAREAL 20.787 15.414 13.438 12.102 10.924 4.558 4.574 4.574 3.332	SNIFAG7268891-0581-173:1-1942-1432-2552-2732-273	.006 .025 .075 .105 .125 .155 .175 .200 .225 .255
25 25 50 75 100 125 150 175 200 225 25 275	5A	#FAZ #2.00 #3.00 #5.00 #	NORMAL Gamag	IZEC DATA	GAREAL 20.787 15.414 13.438 12.102 10.924 4.558 4.574 4.574 3.332	-726 -726 -689 -1.058 -1.058 -1.059 -	-006 -025 -050 -075 -100 -125 -150 -175 -200 -225 -250 -275 -300 -325
25 25 50 75 100 125 150 175 200 225 25 275	12.792 9.996 0.790 7.991 0.790 7.901 0.790 1.790	#FAZ #2.00 -3.30 -4.50 -	NORMAL Gamag	IZEC DATA	GARFAL 20.787 13.438 12.152 2.564 7.598 6.554 4.858 3.333 1.380 -463 -2.197 -3.725	SNIFAG 726 889 1-735	- 006 - 025 - 050 - 075 - 100 - 125 - 150 - 175 - 200 - 225 - 250 - 275 - 300 - 325 - 350 - 375
.706 .25 .575 .700 .125 .150 .275 .200 .225 .255 .255 .255 .255 .255 .25	12.792 9.996 0.790 7.991 0.790 7.901 0.790 1.790	,6FAZ -2.00 -3.90 -4.50 -1.50	NORMAL Gamag	IZEC DATA	GNRFAL 20.787 13.498 12.102 2.102 3.504 4.858 3.333 1.380 2.402 2.505 3.607 2.7573 6.868		- 006 - 025 - 050 - 075 - 100 - 125 - 150 - 175 - 200 - 225 - 250 - 275 - 300 - 325 - 350 - 375
.06 .25 .75 .75 .100 .25 .175 .225 .255 .275 .225 .275 .225 .275 .225 .275 .27	5A ~ 0 12.792 12.792 12.792 13.792 14.792 15.792 15.793 16.792 17.791	,6FAZ -2.00 -3.90 -4.50 -1.50	NORMAL Gamag	IZEC DATA	GNRFAL 20.787 13.498 12.102 2.102 3.504 4.858 3.333 1.380 2.402 2.505 3.607 2.7573 6.868	-726 - 689 - 1058 - 1058 - 1078 - 1173 - 1173 - 1173 - 1284 - 1284 - 1294 - 1297 - 1298 - 1297 - 129	-006 -025 -050 -075 -100 -125 -150 -225 -275 -235 -275 -235 -275 -275 -275 -275 -275 -275 -275 -27
- 06 - 25 - 25 - 75 - 100 - 25 - 25 - 25 - 25 - 25 - 25 - 25 - 25	.A-a 0 .A-a 5 .2-792993	,6FAZ -2.090 -2.000 -2.000 -2.000 -2.000 -2.000 -2.000 -2.000 -2.000 -2.000 -2.	NORMAL Gamag	IZEC DATA	GNRFAL 20.787 13.498 12.102 2.102 3.504 4.858 3.333 1.380 2.402 2.505 3.607 2.7573 6.868	SAIPAG 726 1038 1038 1039 1039 2143	- 006 - 025 - 050 - 075 - 100 - 125 - 150 - 175 - 200 - 225 - 250 - 275 - 300 - 225 - 335 - 335 - 325 - 325
-06 -25 -25 -75 -75 -150 -25 -25 -25 -25 -25 -25 -25 -25 -25 -25	: : : : : : : : : : : : : : : : : : :	#FAZ -2.00 -3.00	NORMAL Gamag	IZEC DATA	CARFAL 20.787 15-418 11-438 11	CNIFAG 7268891-05891-07891-07891-07891-07891-08991-08991-08991-08991-08991-08991-0899	- 006 - 025 - 050 - 075 - 1050 - 1050 - 175 - 1250 - 125 - 2250 - 225 - 2350 - 3350 - 3350 - 3350 - 3500 - 3550 -
-06 -25 -25 -75 -100 -25 -150 -25 -25 -25 -25 -25 -25 -25 -25 -25 -25	.A-43 12-19-2 2-9-3 	#FAZ -2.00 -3.00	NORMAL Gamag	IZEC DATA	CARFAL 20.787 15-413 12-102 10-929 4-594 4-594 4-197	CNIFAG 7268891-05891-07891-07891-07891-07891-08991-08991-08991-08991-08991-08991-0899	- 006 - 025 - 050 - 075 - 1050 - 1255 - 1550 - 1255 - 1250 - 2255 - 2250 - 1255 - 1360 - 1255
.06 .25 .25 .25 .25 .25 .25 .25 .25 .25 .25	.A-43 12-19-2 2-9-3 	#FAZ -2.00 -3.00 -4.00 -1.5.0	NORMAL Gamag	IZEC DATA	C.ABFAL 20-787 15-41-162 10-928 4-594 4-594 4-594 4-594 4-594 4-594 4-197 2-197 4-198 10-656 10-657 10-678	CNIFAG 7268891-05891-07891-07891-07891-07891-08991-08991-08991-08991-08991-08991-0899	- 006 - 025 - 055 - 150 - 125 - 150 - 175 - 205 - 255 - 205 - 275 - 306 - 275 - 375 - 375
. 106 . 25 . 25 . 25 . 120 . 120	.A-43 12-19-2 2-9-3 	#FAZ -2.030 -3.	NORMAL Gamag	IZEC DATA	C.ABFAL 20-787 15-41-162 10-928 4-594 4-594 4-594 4-594 4-594 4-594 4-197 2-197 4-198 10-656 10-657 10-678	CNIFAG 7688910381038103971039810398103981039810398103981039810399103991039910399103991039910399	- 006 - 025 - 055 - 055 - 155 - 125
. 106 . 25 . 25 . 25 . 120 . 120	14-45 12-792 2-993 0-993 0-993 0-993 1-994 1	#FAZ -2.030 -3.	NORMAL Gamag	IZEC DATA	CARCAL 20.7874 20.7874 21.432	SAIP AG 72610581058105810591058105910581059 -	- 006 - 025 - 055 - 150 - 125 - 150 - 175 - 205 - 255 - 205 - 275 - 306 - 275 - 375 - 375
106 - 25 - 25 - 25 - 25 - 25 - 25 - 25 - 2	.R*A5 [22,199.2] (23,199.2] (3,199.2] (3,199.2] (4,199.2] (4,199.2] (4,199.2] (4,199.2] (4,199.2] (4,199.2] (4,199.2] (4,199.2] (4,199.2] (4,199.2) (4,199.2	#FAZ -2.030 -3.	NORMAL Gamag	GAF#2 GAF#2 -2.02 -3.02 -4	C.ABFAL 20.787 15-413 12-102 12-102 12-102 1-	CNIPAG 7241-058	- 0046 - 0250 - 0250 - 0250 - 1250 - 1250 - 1250 - 2250 -
.066 .28	.6-49 12-79-6 -0-79-19-79-6 -0-79-19-79-6 -0-79-19-79-6 -0-79-19-79-6 -0-79-19-79-6 -0-79-19-79-6 -0-79-19-79-6 -0-79-19-79-6 -0-79-19-79-6 -0-79-19-79-6 -0-79-19-79-6 -0-79-19-79-6 -0-79-19-79-6 -0-79-19-79-6 -0-79-19-79-6 -0-79-19-79-6 -0-79-19-79-6 -0-79-19-79-6 -0-79-19-79-79-79-79-79-79-79-79-79-79-79-79-79	# A Z	NORMAL Gamag	GAF#2 GAF#2 -2.02 -3.02 -4	CARFAL CARFAL 20-787 15-413-2 11-413-	CNIPAG 7241-058	- 0048 - 0050 -
2066 2057 1057 1265 1275 2057 2057 2057 2057 2057 2058 2058 2059 2059 2059 2059 2059 2059 2059 2059	.R*AS (2, 199 (2, 199 (3, 199 (4, 1	, A F A C C C C C C C C C C C C C C C C C	CAPAG CA	GNF #2 -2. CC -2222222222.	GARFAL 20.797 21.414 13.434 13.436 13	CNIFAG 7861058	- 008 at
2006 2006 2006 1206 1206 1206 1206 1206	.6*49 12.796 0.791 0.792 0.793	,AFA	ChmaG CL-MaG	GNF #2 GNF #2 -2 - CCC -3 - 3 - 5 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6	CABCAL 20-787 11-142 12-142 12-142 12-142 12-142 12-142 12-142 13-142 1-180	-7 AG -1.756 -1.689 -1.0389 -1	-008-008-008-008-008-008-008-008-008-00
.06.5 .50.5 .70.5	.6*49 12.796 0.791 0.792 0.793	,AFA	ChmaG CL-MaG	GNF #2 GNF #2 -2 - CCC -3 - 3 - 5 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6	C.ABFAL C0.787 15-413 12-102 12-	CNIFAG 76891-05891-05891-07921-07	-004 005 005 005 005 005 005 005 005 005
2006 2006 2006 1206 1206 1206 1206 1206	18"A5 12.792 12.792 13.996 14.991 14.	,AFA	CAPAG CA	GNF #2 GNF #2 -2 - CCC -3 - 3 - 5 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6	CABCAL 20-787 11-142 12-142 12-142 12-142 12-142 12-142 12-142 13-142 1-180	-7 AG -1.756 -1.689 -1.0389 -1	-008-008-008-008-008-008-008-008-008-00

TABLE 3.2 (CONTINUED)

		TION OF CLARES					
	46.64	AL: 156	86 146 /8	ETAC . 1.004	HALAM	AC . 1.500	
	FRE THE	N. 1 . 300.00Pm	PE	012	DILAPDAD	.2900	
			SURED CLEREN	T CISTALECTION INFAZ INFAZ 21.00 -3.00 -3.00	IN MA/VOLT		
	44 0		*SEPAL	IZEC CATA			
Let.	16-45	18FAZ	INPAG	INFAZ	INDEAL	INIMAG	Z/LAPDO
. 17	2	1.00.00 121.00 95.00 70.00 11.00	1.360	21.00	1-394 1-270 1-196 1-074 -945	1.170 .487 094 620 -1.087	.003
. 17 . 33 . 5c . 67	232	79.00	1.2.0	-30.00 -30.00	1-196	094	-025 -050 -075
. 13	4.7	36.50			.945		·100
		30.00 20.00 19.00	1.900	-7C-CC -76-CC -81-CC	-802 -670 -532 -382	-1.842 -2.135 -2.410	·150
•113 •15c	3.143	19.00	2.4.0	-81.00	·382 ·267 ·115	-2.410	.200
187	3.727	9.50	2.740	-84.20 -87.40 -90.50		-2.626 -2.738 -2.780	·250 ·275
217	5.434	15.40 16.40 9.50 7.60	5.600	-93.00 -95.80 -96.30	140 263 358	-2.676 -2.587	.300
255 255	2.59	1.70	2.400 2.400 2.740 2.740 2.400 2.400 2.400 2.400 1.700	-96.3c	382	-2.454	·350 ·375
.243	3.075 2.765	-1 - 00	1.760	-96.30 -104.50 -104.50 -114.50 -121.50 -140.00 -171.00 -212.50	382 491 558 578	-1.898 -1.669 -1.297	.+25
.317	6-615 1-585 1-175 1-25*	-21-50 -40-00 -71-00 -112-50	1.000	-121.50	554	-1.297	.475
. 357	1.175	-71.00	-560	-171.00	553	904 489 088 -322	·525
.363	1.25 1.756 2.406 393 3.720	-112-50 -137-00 -150-50 -157-60 -162-20	.8+C	-237.00	554 554 553 506 457 274 318 742 169 058	.70	-575
17	493	-157.60	1.480	-237.00 -250.50 -257.60 -262.20	318	1.112 1.445	-575 -600 -625
50	•••522		5.050	-560.50	169	1.764 2.013 2.199	-650 -675
	5.016	-170-50	2.400	-270.50	.051	2.400	-725 -750 -775
•500 •517 •533	5.016 5.309 5.518 5.601	-176.20	2.6+0	-276.20	285	2.655	.775
.550	5.100	-177.00	2.440	-277.CC	·021 ·221 ·285 ·327 ·297 ·354 ·397	2.422	-825
. 5 8 2	•	-101-00	2.080	-281.00	397		.850 .875
.600 .417 .633	3.762 3.219 2.550 1.639	-187.00	1.5.0	*264.5C *275.5C *275.5C *276.2C *277.6C *277.6C *277.6C *281.6C *281.6C	• 435 • 450	1.747	.925
.650		-168.50 -170.50 -175.02 -175.02 -177.00 -177.00 -179.00 -181.00 -187.00 -191.00 -290.00	2 - 00C 2 - 04C 2 - 04C 2 - 04C 2 - 04C 2 - 04C 2 - 04C 2 - 04C 3 - 04C 3 - 04C 3 - 04C 2 - 04C 2 - 04C 2 - 04C 2 - 04C 2 - 04C 2 - 04C 2 - 04C 2 - 04C 3 - 04	-287.00 -291.60 -295.00 -318.00 -362.00 -409.00 -428.00 -437.00	-372	1 - 134 - 798 - 375	.950 .975
.683	1.17 1.639 2.592	-565.00	••00	-362.00	••16 ••00 •367 •330 •279	014 423 816	1.000
.700 .717 .733	1.839	-262.00 -309.00 -328.00 -337.00 -345.40 -350.40 -350.40 -350.40 -350.40	.860	-+28.00	•330	-1.208	1.050 1.075 1.100
.750		-3-1-50	1.560	-441.50 -445.40 -450.50 -450,00	• 231 • 148 • • 019 • • 000	-1.543	1 · 125 1 · 150 1 · 175
.783 .800 .617 .833	3.046 4.598 5.16	-35C-50	5.500	-450-50	019	-5.500	1-175
.617	5.434	-350.50	2.600	-45C-5C -451-5C		-2-600	1.225
.*50	5.559 5.559		2.660		116	-2.657	1 . 275
. 883	5.309	-35.00	2.60C 2.54C 2.40C	-454.00 -455.00 -455.50 -456.00	177	-2.534 -2.391	1.300
.900 .917 .933	4.556	-355.50	2.180	-455.50	503	-2-170 -1-830	1.350 1.375 1.400
.95g	3. 93	-350.00	1.480	-456.0C	155	-1.472	1.425
.983 .989	1.421	-356.50 -356.50	1.48C 1.10C .68C	-456.0C -456.4C -456.5C	123 077 054	• • 676	1.425 1.450 1.475
		B. MEASU	RED CHARGE CI	STRIBLTION IN	PICCOUL/VOLT.	•	
2,-	QAA G	ATA				CNIMAG	Z/LAMDAO
	.H-AG	GRFAZ		GNFAZ	18.007	-1-119	*006
· 17	13.013 3.660 6.252	-3,*0 -4,80 -7,00 -9,50 -12,00 -15,00 -18,50	14.00C 11.96C 1C.88C 9.72C	-3.4c -4.8c -7.00 -9.5c -12.0c -15.0c -18.5c	18.827 13.951 11.871	-1-119 -1-171 -1-458	•025 •050
• 950 • 67	7.507	-9.50	10.880	-9.50	10.731	-1.796	*075 *100
. 83	7.507 6.707 6.003 5.147	-15.00	9.72C 8.70C 7.46C 6.52C 5.08C 4.08C 3.08C 2.66C	-15.00	7.074	-2.252	·125
•100 •117	***99	-23.50 -31.00 -42.00	6.520	-23.50 -31.00 -42.00 -61.80 -90.50	5.979	-2-600	·175
•133 •150 •167	3.505 2.815 2.125		4.08C	-42.00	3.032 1.455	-2.730 -2.71*	.225
.183	2.125	-9C.50 -12G.8C -131.00	2.66C 2.98C 3.84C	-9C-50	**023	-2-660	·275
·200 •217	2.056 2.650 3.409	-131.00	3.840	-120.80 -131.00	-1.526 -2.519	-2.898 -2.212 -2.079	•300 •325 •350
.233 .250	**502	-153.40 -159.00	5.80C	-153.4C -159.0C	-5-915 -6-730		•375 •400
.267 .283	4.747 5.299 5.755 5.948	-169.50 -172.80	6.84C 7.68C 8.34C	-169.50 -172.80	-6.730 -7.551 -8.274 -8.608	-1.430 -1.400 -1.045 451 342	·425
.300 .317 .333	6 - 155	-177.cc -177.8c	8.62C	-177.CC -177.8C		51	• 475 • 500
·350	6.100	-168.CC -169.5C -172.8C -177.CC -177.8C -179.2C -181.50	9.00C	-159.CC -168.CC -169.50 -172.8C -177.CC -177.8C -179.2C -181.5C	-1.999 -1.837	150	·525
.383 .400		-183.20 -185.80	8.56C 7.98C	-185.80	-8.547 -7.939 -7.186	.478 .606 1.035 1.212 1.316 1.348	-575
.433	5.566 5.009	-188.20	7.26C	-191.20	-6.121	1.035	-650
.450 .467	3.602	-199.00	5.220	-194.6C -199.0C	-5.051	1.316	-700
.483 .500 .517	2.001	-214.00	2.900	-214.00	-2.404	1.622	•725
.533	1.145	-300.00 -327.00	1.66C 2.30C	-3CC - CC	.830	1.611 1.438 1.253	•775 •800
.517 .533 .550	2.650	-300.00 -327.00	2.90C 1.88C 1.66C 2.30C 3.84C	-3CC - CC -327 - CC -339 - CC	1.929	1.253	.775 .800 .825
.533 .550 .567	1.587 2.650 3.257 3.850	-300.00 -327.00 -339.00	4.72C 5.58C 6.520	-3CC-CC -327-CC -339-CC -343-CC -347-4C	1.929 3.585 4.514 5.446 6.421	1.253 1.376 1.380 1.217 1.132	*775 *800 *825 *850 *875
.533 .550 .567	1.587 2.650 3.257 3.850	-300.00 -327.00 -339.00 -343.00 -347.40 -350.00 -352.50 -354.50	4.72C 5.58C 6.520	-3CC-CC -327-CC -339-CC -343-CC -347-4C	1.929 3.585 4.514 5.446 6.421	1.253 1.376 1.380 1.217 1.132	•900 •925 •950
.533 .550 .567	1.587 2.650 3.257 3.850 4.699 5.651 5.506	-300.00 -327.00 -339.00 -343.00 -347.40 -350.00 -352.50 -354.50	4.72C 5.58C 6.520 7.32C 7.98C	-3CC-CC -327-CC -339-CC -347-4C -35C-CC -352-5C -354-5C -356-2C	.830 1.929 3.585 4.514 5.446 6.421 7.287 7.943 8.401	1.253 1.376 1.380 1.217 1.132 .955 .765	•900 •925 •950
.533 .550 .567 .583 .600 .617 .633 .650 .667	1.587 2.650 3.257 3.850 4.590 5.651 5.506 5.810 6.003	-300.00 -327.00 -339.00 -347.40 -350.00 -354.50 -356.20 -356.20 -358.00	*.72C 5.58C 6.520 7.32C 7.98C 8.42C 8.70C 8.70C	-3CC-CC -327-CC -339-CC -347-4C -35C-CC -352-5C -354-5C -356-2C	.830 1.929 3.585 4.514 5.446 6.421 7.287 7.943 8.401	1.253 1.376 1.380 1.217 1.132 .955 .765 .558	•900 •925 •950
.533 .550 .567 .583 .600 .617 .633 .650 .667 .683 .730	1.587 2.650 3.257 3.850 4.590 5.651 5.506 5.810 6.003	-300.00 -327.00 -339.00 -347.40 -350.00 -354.50 -356.20 -356.20 -358.00	*.72C 5.58C 6.520 7.32C 7.98C 8.42C 8.70C 8.70C	-3CC-CC -327-CC -339-CC -347-4C -35C-CC -352-5C -354-5C -356-2C	.830 1.929 3.585 4.514 5.446 6.421 7.287 7.943 8.401	1.253 1.376 1.380 1.217 1.132 .955 .765 .558	•900 •925 •950
.533 .550 .567 .583 .600 .617 .633 .650 .667 .683 .730 .717 .733 .750	1.587 2.650 3.257 3.850 4.590 5.651 5.506 5.810 6.003	-300.00 -327.00 -339.00 -347.40 -350.00 -354.50 -356.20 -356.20 -358.00	*.72C 5.58C 6.520 7.32C 7.98C 8.42C 8.70C 8.70C	-3CC-CC -327-CC -339-CC -347-4C -35C-CC -352-5C -354-5C -356-2C	.830 1.929 3.585 4.514 5.446 6.421 7.287 7.943 8.401	1.253 1.376 1.380 1.217 1.132 .955 .765 .558	•900 •925 •950
.533 .550 .567 .583 .680 .617 .633 .650 .667 .730 .737 .733 .750 .767	1-887 2-650 3-257 3-850 4-99 5-51 5-504 5-608 6-058 6-058 6-058 6-058 6-059 5-299 4-706 4-209	-300.00 -327.00 -339.00 -347.40 -350.00 -354.50 -356.20 -356.20 -358.00	*.72C 5.58C 6.520 7.32C 7.98C 8.42C 8.70C 8.70C	-3CC-CC -327-CC -339-CC -347-4C -35C-CC -352-5C -354-5C -356-2C	.830 1.929 3.585 4.514 5.446 6.421 7.287 7.943 8.401	1.253 1.376 1.380 1.217 1.132 .955 .765 .558	*900 *925 *950 *970 *970 1*000 1*075 1*100 1*125 1*150 1*175 1*200
.533 .550 .567 .600 .617 .633 .650 .667 .683 .700 .733 .750 .767 .783 .767 .783	1-887 2-650 3-257 3-850 4-99 5-51 5-504 5-608 6-058 6-058 6-058 6-058 6-059 5-299 4-706 4-209	-300.00 -327.00 -339.00 -347.40 -350.00 -354.50 -356.20 -356.20 -358.00	*.72C 5.58C 6.520 7.32C 7.98C 8.42C 8.70C 8.70C	-3CC-CC -327-CC -339-CC -347-4C -35C-CC -352-5C -354-5C -356-2C	.830 1.929 3.585 4.514 5.446 6.421 7.287 7.943 8.401	1.253 1.376 1.380 1.217 1.135 .765 .558 .304 .153 .000 .1142 .476 .4091	*900 *925 *950 *970 *970 1*000 1*075 1*100 1*125 1*150 1*175 1*200
.533 .550 .567 .600 .617 .633 .650 .667 .683 .700 .733 .750 .767 .783 .767 .783	1-867 2-850 3-850 3-850 3-850 5-251 5-504 6-03 6-03 6-03 5-299 5-299 5-299 5-209 5-2	-300.00 -327.00 -339.00 -347.40 -350.00 -354.50 -356.20 -356.20 -358.00	*.72C 5.58C 6.520 7.32C 7.98C 8.42C 8.70C 8.70C	-3CC-CC -327-CC -339-CC -347-4C -35C-CC -352-5C -354-5C -356-2C	.830 1.929 3.585 4.514 5.446 6.421 7.287 7.943 8.401	1-233 1-276 1-380 1-217 1-132 -755 -758 -306 -133 -000 -144 -002 -001 -004 -004 -004 -004 -004 -004 -004	*900 *925 *950 *970 *970 1*000 1*075 1*100 1*125 1*150 1*175 1*200
.535 .5567 .5683 .6007 .633 .6567 .633 .6567 .713 .7507 .783 .783 .783 .783 .783 .783 .783 .78	1-867 3-850 3-850 3-850 9-81 5-50 5-51 5-50 6-058 6-058 6-03	-300.00 -327.00 -339.00 -347.40 -350.00 -354.50 -356.20 -356.20 -358.00	*.72C 5.58C 6.520 7.32C 7.98C 8.42C 8.70C 8.70C	-3CC-CC -327-CC -339-CC -347-4C -35C-CC -352-5C -354-5C -356-2C	.830 1.929 3.585 4.514 5.446 6.421 7.287 7.943 8.401	1 - 233 2 - 276 1 - 120 1 - 1 22 1 - 25 1	900 925 955 975 1000 1008 1008 1008 1008 1008 1108 110
.533 .550 .567 .583 .600 .617 .633 .650 .667 .713 .733 .750 .713 .757 .783 .807 .817 .839 .850 .817 .839 .839 .839 .839 .839 .839 .839 .839	1-850 3-250 3-250 3-250 5-50 5-51 5-51 5-51 6-053 6-053 6-053 6-053 6-053 1-529 1-52	- 30C - cc - 327 - cc - 327 - cc - 327 - cc - 327 - cc - 325 - 50 - 325 - 50 - 325 - 50 - 325 - 50 - 325 - cc - 325	* 72C 5-55C 6-52C 7-98C 8-77TC 8-77TC 8-77TC 8-77TC 8-77TC 8-77TC 8-77TC 8-77TC 1-88C 6-10C 1-10C 1-28C 1-10C 1-28C 1-10	-3CC -CC -327 -CC -337 -CC -337 -CC -336 -CC -356 -CC -356 -5C -356 -2C -356 -CC -356 -CC -357 -CC -35	.830 1.9285 3.5844 4.5844 5.427 7.287 7.2843 8.4695	1 - 233 2 - 276 1 - 120 1 - 1 22 1 - 25 1	*900 *925 *955 *975 *1000 *1028 *1030 *1075 *1100 *1286 *1175 *1280 *128
.533 .550 .567 .583 .600 .617 .633 .657 .683 .730 .731 .750 .750 .783 .805 .817 .833 .8467 .847 .847 .847 .847	1-867 3-850 3-850 3-850 9-81 5-50 5-51 5-50 6-058 6-058 6-03	-300.00 -327.00 -339.00 -347.40 -350.00 -354.50 -356.20 -356.20 -358.00	4.72C 5.58C 6.520 7.32C 7.98C	-3CC-CC -327-CC -339-CC -347-4C -35C-CC -352-5C -354-5C -356-2C	1.929 3.585 4.514 5.446 6.421	1-233 1-276 1-380 1-217 1-132 -755 -758 -306 -133 -000 -144 -002 -001 -004 -004 -004 -004 -004 -004 -004	900 925 955 975 1000 1008 1008 1008 1008 1008 1108 110

TABLE 3.2 (CONTINUED)

	Listaleu	TION OF CLARENT	AND CHARGE	ON MONOPOLE A	TENNA OVER -	DIST EARTH	
	ALFAL/DET	AL0350	BETAL/BI	TAC . 1.004	HILAM	CAO . 1.000	
	FREGUE	NCY . 300-00HH	PE	012		.2900	
		A. MEA	SURED CURREN	T DISTRIBUTION	IN MA/VOLT		
	RAN D	ATA	NORMAL	IZEC CATA			
2/11	185.5		INPAG	INFAZ	INREAL	INIMAG	Z/LAPDO
			1.760	*8.00 29.00	1-178	1.308	.003
. 25	3. 21 3. 21 2.532 2.532	150.00	1.280 1.060 1.080	29.00	1.120	.621	.025 .050 .075
. 50 - 75	2.5.9	102.00 74.50 55.50	1.080	-27.50	1.060	.000 99	•075 •100
-100	3.210	42.80	1.360	-+6.5C -59.2C	.060	-1.443	-125
·150	***31 5.239	35.00	1.68C 1.92C 2.22C	-67.00 -72.20 -76.80 -79.40	*860 *750 *679	-1.443 -1.767 -2.114 -2.395 -2.575	·150 ·175
·200	5.006	25.20	2.460	-76.80 -79.40	.562	·2·395	·200
-250 -275	066	19.50 17.50 15.40 12.60	2.740	-82.5C	-358	-2.717 -2.747	·250 ·275
•300 •325	0.561	15.40	2.780	-84.50 -86.40 -91.50 -91.50 -96.00 -99.80 -104.20 -113.00	·165	-2.775	·300
.350	5.325	10.50	2.5.0	-91.50	066		·350 ·375
.375	2.025	10.50 8.50 6.00	2.060	-96.CC	143	-2.336 -2.049	••00
••00 ••25	1.30	2.20	1.760	-99.80	300 343	-1.73*	.+25 .+50
••5g ••75 •5co	3.30 2.55 1.652	-2.20 -11.00 -26.00	1.0.C .700	-104.20 -113.00 -128.00	406 431 457	957	• • 75 • 500
.525	1.:33	-60.00		-162.00	+57	148	·525 ·550
•55c	1.962	-132.80	.58C .84C 1.20C	-234.80	84	.686	+575
-630 -625 -650	3.567	-60.00 -109.00 -132.80 -144.00 -150.00 -154.00	1.200 1.520 1.820	-246.CC	88	1.096	·600 ·625
.650	• · 295	-15*.00 -156.40		-256.CC	440	1.766	-650 -675
.700	5.570	-158.50	5.360	-260.50	390	2.077 2.328 2.515	.675 .700 .725
.725 .75c	1.369 1.462 2.432 3.667 4.295 5.023 5.570 5.194 6.183 6.183	-158.50 -160.00 -160.80 -162.00	2.36C 2.5.C 2.62C 2.62C	-128.00 -162.00 -211.00 -234.80 -246.00 -252.00 -252.00 -252.40 -262.80 -262.80 -262.80		2.599	•750 •775
.775 .600 .425	0.183 5.903	-163.CC -163.CC	2.56C 2.50C	-265.CC -265.CC	553	2.550	.800 .825
.425 .650 .675	5.000	-164.00 -164.50	2.380	-266.50 -268.00	174 145 074	2.494 2.376 2.119	.850
. £75	5-003		2.120	-268.00	074	2.119	·875
.925	3.39*	-166.C0 -167.00	1-80C 1-44C	-269.00	*****	1.440	·925
.950 .975	2.59A 1.55# 1.065	-167.00 -167.00 -166.50	1.100 .660	-269.CC -269.CC	012 012	1.1C0 .660	·975
.98.	1.085	-166.50	.460	-566.50	015	.460	.704
		B. MEASU	RED CHARGE DI	STRIBLTION IN	PICCOUL/VOLT-		
	RA. D	ATA	NOSMAL	IZEC DATA			
2/=	JRMAG	LAFAZ	GNMAG	GNFAZ	GAREAL	CHIPAG	Z/LAMDAO
.006	1 • · · · · · · · · · · · · · · · · · ·	-*-00	18.5.0	-•-cc	18.495	-1-293 -1-173	.006
-050	35.56	-5.60 -7.60 -9.60 -11.60	13.460	-5.00 -7.00	13.409	-1-448	-050 -075
•075 •100	7.03	-9.cc	10.800	-5.00 -11.00	10.667	-1-689 -1-855	
-100 -125 -150	5.782	-13.20	8.6.0	-13.2c	8.412	-1.973	·125
175	3.982	-11.00 -13.20 -17.00 -21.00 -28.00	6.360 5.080	-21.5c	8.412 6.675 5.917	-2.331 -2.385	•150 •175 •200
.225	2.999	-37.50	3.820	-37.50	3.031	-2.325	.225
.250 .275	1.79g 2.41 2.747 3.595	-88.50		-37.50 -57.00 -88.50	-1.397	-2.279	.275
•300 •325	2.7.7	-122.50 -1-5-cn	2.600		-1.397 -2.867	-2.193 -2.008 -1.834	.300
•35n	3.595	-156.40	4.58C 5.72C 6.74C 7.62C	-125.50 -145.00 -156.40 -163.60 -168.00 -168.00 -175.80	-2.867 -4.197	-1.83*	·350
• • • • • • • • • • • • • • • • • • • •	5.291	-168.00	6.740	-168-CC	-5.467 -6.593 -7.475	-1.401	• • • • • • • • • • • • • • • • • • • •
**50	6.531	-179.00		-174-00	-0.274	870	• • 50
.475 .500	6.324 7.81 7.222	-175.80 -177.50	9.020	-175.80 -177.50	-8.796 -9.011 -9.199	646	••75 •500 •525
.550 .575	7.222	-179.00 -186.50	9.200	-177.50 -177.50 -175.00 -180.50 -181.60	-9.199	161	•525 •550 •575
	7 · 81 6 · 782		9.020	-181.60	-9.020 -0.637	.241	
.625	6.374 5.569	-184-20	7.12C	-183.40 -184.20 -187.00 -189.00	-8.106 -7.101 -6.174 -5.136	. 482 . 521 . 758	-625
.65c	******	-183.40 -184.20 -187.00 -189.00		-189.00	-5.136	.813	-650 -675
.700 .725		-189.00 -193.00 -200.00 -221.00 -295.00	*.000 2.740 1.340 .980		-3.897 -2.575	.900	.700 .725
.750 .775	2 • 151 1 • 52 • 769	-221.00	1.340	-20.00 -291.00 -295.00	-1.011	.879 .888	.750 .775
. 200 . 825	1.554	-336.cc -346.5c -353.cc	1.980	-336.00 -348.50 -353.00	1.809 3.332	.805	.800
.850 .875	2.569 3.78• ••183	-353.00	3.40C 4.82C 6.22C	-353.00 -356.40	4.764	.678 .587 .391	.850 .875
.930	5.479	-358.20	6.940	-158.20	6.208	.219	.900
.925 .950	7.473	-360.00 -361.00 -362.00	8.260 9.520 11.000	-36C.CC -361.CC	9.519 11.033 12.368	000 166 385	·925 ·950 ·975
.975	0.066	- 362.00	11.000	*362.00	11.033	385	1975
.987	3.718	-362.50	12.300	-342.50	12.364	540	.947

TABLE 3.2 (CONTINUED)

	DISTRIBL	TION OF CLAREN	T AND CHARGE	ON PONOPOLE A	Aur 8	BIST FARTH	
	ALFAL/BET	AL0+38	BETAL/8	ETAC . 1.011	HALAM	CAO500	
	FRESUE	NCY - 300.00MH	Z PE	SETAC • 1.011	DZČAMCAG	• .1000	
		A. ME	ASURED CURREN	T CISTRIBLTION	IN PAZVOLT		
	RA- 0	ATA	NORMAL	IZED DATA			
2/1	IRMAG	1RFAZ 160.00 135.00 83.50 97.00 33.00 26.30 22.00 21.00	INPAG	INFAZ	INPEAL	INIMAG	Z/LAMDO
•006 •050	2.818	160.00	1.46C .70C 1.02C 1.50C 1.52C 2.34C 2.70C	55.00 30.00 -21.50 -57.60	*837 *727 *651 *547 *464 *376 *285 *282	1.196 20 257 861	.003 .025 .050
100	1.351	83.50	.70C	-21.50	-651	257	-050
·200	2.695	33.00	1.500	-72.CC	****	-1.427	-100 -125
.300	5.211	22.00	2.340	-72.00 -72.70 -83.00 -84.00	-285	-2.323	·150
*****	2.418 1.021 1.351 1.969 2.495 3.706 4.516 5.211 5.629 6.232		3.260	-88.CC	100	-3-018	.200
•500 •550	6.408	15.50 13.20 13.20 12.00 11.00 11.00 10.50	3.38C 3.38C	-90.50 -91.80	029 106 127 167	-3.320 -3.378 -3.277	·250 ·275
•600 •650	6.330	12.60	3.280	-93.00	**137		.300
.700 .750	5.327	11.60	3.020		179	-3-015	·350
.850	3.624 2.702	10.90 10.50	2.3.0	-94.CC -94.1C -94.5C	193 167 148	-2.334	.400
.900 .950	2.702 1.660 1.158	10.50 10.60 11.20	1.400 -860 -600	-94.5C -94.4C -93.8C	110	-1.396 857 599	· 450
•968	1.159	11.20	•60C	-93.8C	04C	599	***
		B. MEASUE	RED CHARGE DI	STRIBLTICK IN F	1CC041/4811-		
	RAN D	ATA	NORMAL	STRIBUTION IN F			
2,-	26MA3	GRFAZ		GNFAZ	CARCAL		Z/LAMDAD
•012 •350	13.473 9.975 8.632 7.783 7.182 6.091 5.293 4.389	50 -1.30 -2.10 -3.00 -5.20	20.26C 15.00C 12.98C 11.70C 10.80C	50 -1.30 -2.10 -3.00 -4.30	2C.259 14.996 12.971 11.684 10.77C 9.122 7.901 6.509 4.753 3.022 1.172 -611 -2.499	177	-006
•100 •150	8.432	-2.10	12.980	-2.10	12.971	177 340 76 612	-006 -025 -050 -075
.200	7.182	-4.30	11.700 10.800 9.160 7.960 6.600 4.880	-4.30	10.770	612 810 830	-075 -100 -125
•300 •350	5.293	-7.00 -9.50 -13.10 -20.20	7.960	-7.00 -9.50	7.901	830 970 -1-089	·125
••00	3.245	-13.10	4.880		4.753	-1-106 -1-112 -1-059	.200
•500 •550	1 · 51 • 25 1 · 769	-+2.10 -119.50 -157.00	3.22C 1.58C 1.24C 2.66C	-20.20 -42.10 -119.50 -157.00	1.172	-1-112	.225
•650	2.926	-157.00	2.660	-157.00	-2.449	-1.039	• 300
•700 •750	5.13.	-166.50 -171.00 -174.00	4.40C 6.16C 7.72C	-166.50 -171.00	-6-004	-1-027	-350
.850 .850	5.785	-174.00 -175.50 -176.50	8.700	-175.50 -176.50	-7-678 -8-673	807 683 623	• • • • •
•900 •950	7.687	-176.50 -176.50 -177.50 -178.50 -178.50	8.710 10.200 11.560 13.420 15.160	-174.CC -175.50 -176.50 -177.50 -178.50 -178.50	-10.181 -11.549 -13.415 -15.155	504 351 397	• • • • • • • • • • • • • • • • • • • •
.974	10-081	-178.5c	15-160	-178.50	-15-155	397	-487
	DISTRIBU	TION OF CURREN	T AND CHARGE	ON PONOFOLE A	ATENNA OVER M	DIST EARTH	
	DISTRIBU	TION OF CLAREN	T AND CHARGE BETAL/E	ON MONOPOLE A	ATENNA OVER M	SIST EARTH	
	DISTRIBU ALFAL/DET	AL0350 NCY . 300.00MH	BETAL/E	ETAC - 1.004	D/LAMCAO	01ST EARTH CAC500 2900	
	ALFAL/BET FREGUE	AL0350 NCY . 300.00MH A. ME	BETAL/E Z FE ASURED CURREN	ETAC - 1.004 	D/LAMCAO	81ST EARTH CAC = .500 = .2900	
2,1	ALFAL/DET FREEDE RAN D	AL0350 NCY . 300.00HH A. ME	BETAL/E Z FE ASURED CURREN	ETAC - 1.CC+ IC12 AT DISTRIBUTION LIZEC DATA	D/LAPCAO IN PA/VOLT	000 OA	Zalando
2/+ •006	ALFAL/DET FREEDE RAN D	AL • .0350 NCY • 300.00MH A. ME :ATA	BETAL/E Z FE ASURED CURREN	EETAC • 1.004 I • .012 AT DISTRIBUTION LIZEC DATA INFAZ	D/LAPCAO IN PA/VOLT	CAC = .500 = .2900	Z/LAF00 +003
	ALFAL/DET FREGUE RAN D	AL • .0350 NCY • 300.00MH A. ME :ATA	BETAL/E Z FE ASURED CURREN	EETAC • 1.004 I • .012 AT DISTRIBUTION LIZEC DATA INFAZ	D/LAPCAO IN PA/VOLT	CAC = .500 = .2900	.003
•506 •50 •100	ALFAL/DET FREGUE RAN D	AL0350 A. ME A. ME IRFAZ 150.00 129.00 96.00 65.00	BETAL/E Z FE ASURED CURREN	ETAC = 1.004 I = .CIZ IT DISTRIBUTION IZEC DATA INFAZ 48.00 27.00 -27.00 -27.00	INSEAL 1:044 -980 -891 -748	CAC = .500 = .2900	.003
.506 .100 .150 .250 .250	ALFAL/DET FREGUE RAN D	A. #65.00 4. ME A. ME ATA IPFAZ 150.00 159.00 65.00 46.50 36.00	BETAL/E Z FE ASURED CURREN	ETAC = 1.004 I = .012 NT DISTRIBUTION .IZEC CATA INFAZ 48.00 27.00 -51.60 -37.00 -66.00 -72.00	INFEAL 1:004 -980 -931 -746 -633	INIMAG 1.159085626 -1.085	.003 .025 .050 .075 .100
•506 •50 •100	ALFAL/DET FREGUE RAN D	A. #65.00 4. ME A. ME ATA IPFAZ 150.00 159.00 65.00 46.50 36.00	BETAL/E Z FE ASURED CURREN	ETAC = 1.CC4 I = -CI2 IT DISTRIBUTION LIZEC CATA INFAZ 48.CC 27.CC -5.6C -5.6C -6.6C -72.CC -76.5C -80.CC -80.CC	INFEAL 1:004 -980 -931 -746 -633	INIMAG 1.159085626 -1.085	.003 .025 .050 .075 .100
.506 .100 .150 .250 .250	ALFAL/GET EREUUE RAN D IRMAG 3R 231 1-989 2-217 3-717 3-717 4-552 561	A. #65.00 4. ME A. ME ATA IPFAZ 150.00 159.00 65.00 46.50 36.00	BETAL/E Z FE ASURED CURREN	ETAC = 1.004 I = .012 NT DISTRIBUTION .IZEC CATA INFAZ 48.00 -37.00 -55.50 -66.00 -76.50 -76.50 -68.00 -76.50 -68.00 -76.50 -68.00 -76.50 -68.00 -76.50 -68.00 -76.50 -68.00	H/LAM D/LAMCAO IN MA/VOLT INBEAL 1:044 -980 -891 -746 -683 -593 -594 -683 -746 -683 -746 -746 -746 -746 -746 -746 -746 -746	CAC = .500 2900 Inimag 1.15999088266 -1.088 -1.535 -1.845 -2.139 -2.442 -2.437	.003 .025 .050 .075 .100 .125 .150 .175 .200
.506 .100 .150 .250 .250	ALFAL/GET EREUUE RAN D IRMAG 3R 231 1-989 2-217 3-717 3-717 4-552 561	AL #0350 AL #E AL # A	BETAL/E FE ASURED CLUREN NORMAL INHAG 1.56C 1.0C 1.0C 1.0C 1.0C 1.0C 2.0C 2.0C 2.0C 2.0C 2.7C 2.7C 2.7C 2.7C 2.7C	ETAC = 1.004 [= .ci2 IT DISTRIBUTION INFAZ 48.00 27.00 -51.60 -37.00 -65.50 -66.00 -76.50 -86.50 -86.50 -86.50 -86.50 -86.50 -86.50 -86.50 -86.50 -86.50 -86.50 -86.50	H/LAM D/LAMCAO IN MA/VOLT INBEAL 1:044 -980 -831 -746 -683 -951 -831 -746 -831 -746 -831 -746 -832 -746 -746 -746 -746 -746 -746 -746 -746	INIMAG 1:15939039938636610861085	-003 -025 -050 -075 -100 -125 -150 -150 -205 -255 -255
.506 .100 .150 .250 .250	ALFAL/GET EREUUE RAN D IRMAG 3R 231 1-989 2-217 3-717 3-717 4-552 561	AL #0350 AL #E AL # A	BETAL/E FE ASURED CURREN NORMAL INMAG 1.55C 1.00C 1.00C 1.00C 1.00C 2.00C 2.00C 2.10C	ETAC = 1.004 [= .ci2 IT DISTRIBUTION INFAZ 48.00 27.00 -51.60 -37.00 -65.50 -66.00 -76.50 -86.50 -86.50 -86.50 -86.50 -86.50 -86.50 -86.50 -86.50 -86.50 -86.50 -86.50	H/LAM D/LAMCAO IN MA/VOLT INBEAL 1:044 -980 -831 -746 -683 -951 -831 -746 -831 -746 -831 -746 -832 -746 -746 -746 -746 -746 -746 -746 -746	INIMAG 1:15939039938636610861085	-003 -025 -050 -075 -100 -125 -150 -150 -205 -255 -255
-06 -50 -150 -200 -250 -350 -350 -500 -550 -500 -550 -500 -750 -750	ALFAL/GET # GEOUG RAM 0 IAMAG J.***R 1.4989 2.291 3.713 ***.882 5.**R 5.**R 6.100 6.100 6.101 6	AL035: NCY - 300.30Mm PE	BETAL/E Z FE ASURED CURREN NORMAL INMAG 1.55cc 1.10c .90cc 1.32cc 1.66cc 2.76cc	ETAC = 1.004 [= .ci2 IT DISTRIBUTION INFAZ 48.00 27.00 -51.60 -37.00 -65.50 -66.00 -76.50 -86.50 -86.50 -86.50 -86.50 -86.50 -86.50 -86.50 -86.50 -86.50 -86.50 -86.50	IN REAL 1 * 044 * 1980 * 1991	INIMAG INIMAG	.003 .025 .050 .075 .100 .125 .175 .200 .225 .255 .275 .300 .325 .355
-06 -50 -100 -200 -250 -350 -350 -500 -500 -500 -500 -500 -5	ALFAL/GET # GEOUG RAM 0 IAMAG J.***R 1.4989 2.291 3.713 ***.882 5.**R 5.**R 6.100 6.100 6.101 6	AL035: NCY - 300.30Mm PE	BETAL/E Z FE ASURED CURREN NORMAL INMAG 1.55cc 1.10c .90cc 1.32cc 1.66cc 2.76cc	ETAC = 1.00* : = 'c!2 : = 'c!2 INFAZ **E-CC 27.00 -50.50 -50.50 -60.00	INSEAL 1:044 -980 -996 -996 -983 -748 -983 -914 -279 -202 -026 -026 -026 -027	INIMAG INIMAG	-003 -025 -050 -075 -100 -125 -175 -200 -225 -275 -275 -275 -375 -375 -375 -425 -425 -425 -425 -425 -425 -425 -42
-06 -50 -150 -200 -250 -350 -350 -500 -550 -500 -550 -500 -750 -750	ALFAL/GET EREUUE RAN D IRMAG 3R 231 1-989 2-217 3-717 3-717 4-552 561	AL035: NCY - 300.30Mm PE	BETAL/E Z FE ASURED CURREN NORMAL INMAG 1.55cc 1.10c .90cc 1.32cc 1.66cc 2.76cc	ETAC = 1.004 I = .012 NT DISTRIBUTION .IZEC CATA INFAZ 48.00 -37.00 -55.50 -66.00 -76.50 -76.50 -68.00 -76.50 -68.00 -76.50 -68.00 -76.50 -68.00 -76.50 -68.00 -76.50 -68.00	IN REAL 1 * 044 * 1980 * 1991	INIMAG INIMAG	.003 .025 .050 .075 .100 .125 .175 .200 .225 .255 .275 .300 .325 .355
-06 -50 -100 -200 -250 -350 -350 -500 -500 -500 -500 -500 -5	ALFAL/GET # GEDUE # AA	AL035: NEY = 300.00Mm FE AZ 15FAZ 129.00 60.00 60.00 2	BETAL/6 Z	RETAC = 1.00* I = 'cl2 I = 'cl2 AT CISTRIBUTION IZEC CATA AT .CC -71.60 -72.60 -74.50	D/LAFEAU [IA FAVOLT IA FAVOLT	INITIAG 1.159 -026 -1.086 -1.086 -1.086 -1.086 -2.139 -2.430 -2.776 -2.753 -2.430 -1.559 -3.599 -3.599 -3.599 -3.599	-003 -025 -050 -075 -100 -125 -175 -200 -225 -275 -275 -275 -375 -375 -375 -425 -425 -425 -425 -425 -425 -425 -42
-06 -50 -100 -200 -250 -350 -350 -500 -500 -500 -500 -500 -5	A_FA_VOET FRE LUE RA- D IFMAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 3-MAG 3	AL035: NCY = 300.00Mm FE AL STA IFFAL 129.00 65.00 65.00 20.00 20.00 20.00 10.20 10.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20	BETAL/6 Z	RETAC = 1.00* I = 'cl2 I = 'cl2 AT CISTRIBUTION IZEC CATA AT .CC -71.60 -72.60 -74.50	D/LAFEAU [IA FAVOLT IA FAVOLT	INITIAG 1.159 -026 -1.086 -1.086 -1.086 -1.086 -2.139 -2.430 -2.776 -2.753 -2.430 -1.559 -3.599 -3.599 -3.599 -3.599	-003 -025 -050 -075 -100 -125 -175 -200 -225 -275 -275 -275 -375 -375 -375 -425 -425 -425 -425 -425 -425 -425 -42
-06 -50 -100 -200 -250 -350 -350 -500 -500 -500 -500 -500 -5	A_FA_VOET FRE LUE RA- D IFMAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 3-MAG 3	AL035: NCY = 300.00Mm FE AL STA IFFAL 129.00 65.00 65.00 20.00 20.00 20.00 10.20 10.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20	BETAL/6 Z	ETAC - 1.CC+ :cl2 :	D/LAFEAU IN FAVELT IN FEAL 1-048 -980 -980 -981	INIMAG 1.159290 INIMAG 1.159298 -1.038	-003 -025 -055 -100 -100 -125 -150 -225 -255 -205 -255 -255 -375 -375 -375 -375 -375 -375 -375 -3
.006 .50 .100 .200 .200 .300 .300 .350 .500 .500 .500 .550 .55	A_FA_VOET FRE LUE RA- D IFMAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 3-MAG 3	AL035: NCY = 300.00Mm FE AL STA IFFAL 129.00 65.00 65.00 20.00 20.00 20.00 10.20 10.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20	BETAL/6 Z		D/APCA0 IA PA/98LT IARGA 110A 110A 120A 12	INIMAG 1.139230 INIMAG 1.139238238 -1.288 -1.288 -1.288 -1.289 -2.149 -2.149 -2.149 -2.149 -2.149 -2.149 -2.149 -2.159 -2.149 -2.159 -2.159 -2.159 -2.159 -2.159 -2.159 -2.159 -2.159 -2.159 -2.159 -2.159 -2.159 -2.159 -2.159	-003 -025 -020 -025 -100 -125 -155 -125 -250 -275 -250 -275 -300 -250 -250 -250 -250 -250 -250 -250 -2
. 506 . 50 . 150 . 150 . 250 . 2	A_FA_VOET FRE LUE RA- D IFMAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 3-MAG 3	AL035: NCY = 300.00Mm FE AL STA IFFAL 129.00 65.00 65.00 20.00 20.00 20.00 10.20 10.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20	BETAL/6 Z		D/APCA0 IA PA/98LT IARGA 110A 110A 120A 12	TATE OF THE PROPERTY OF THE PR	-003 -025 -025 -027 -100 -027 -100 -128 -129 -200 -225 -255 -250 -255 -255 -255 -255
. 506 . 50 . 150 . 250 . 250 . 250 . 350 . 350 . 350 . 350 . 350 . 550 . 5	A_FA_VOET FRE LUE RA- D IFMAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 3-MAG 3	AL035: NCY = 300.00Mm FE AL STA IFFAL 129.00 65.00 65.00 20.00 20.00 20.00 10.20 10.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20	BETAL/6 Z		INFAME AND THE PROPERTY OF THE	TATE OF THE PROPERTY OF THE PR	-003 -053 -059 -079 -079 -108 -1198 -1199 -1299 -279 -279 -279 -279 -279 -279 -279 -
.506 .500 .500 .500 .500 .500 .500 .500	A_FA_VOET FRE LUE RA- D IFMAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 3-MAG 3	AL035: NCY = 300.00Mm FE AL STA IFFAL 129.00 65.00 65.00 20.00 20.00 20.00 10.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20	BETAL/6 Z	RETAC = 1.00*	D/LAPCAO IA PA/VBLT IA BFAL 1-CA	INIMAG 1.1590260261-086	-003 -025 -020 -025 -100 -125 -155 -125 -250 -275 -250 -275 -300 -250 -250 -250 -250 -250 -250 -250 -2
.506 .500 .500 .500 .500 .500 .500 .500	A_FA_VOET FRE LUE RA- D IFMAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 2-MAG 3-MAG 3	AL035: NCY = 300.00Mm FE AL STA IFFAL 129.00 65.00 65.00 20.00 20.00 20.00 10.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20	BETAL/6 Z	RETAC = 1.00*	D/LAPCAO IA PA/VBLT IA BFAL 1-CA	INIMAG 1.1590260261-086	-003 -053 -059 -079 -079 -108 -1198 -1199 -1299 -279 -279 -279 -279 -279 -279 -279 -
.506 .500 .500 .500 .500 .500 .500 .500	### ALFALVOET ### CALFORNIA FMAG Jump	AL035: NCY - 300.00mm EEFAZ 156.00 196.40 96.40 96.40 96.40 96.40 19.50	BETAL/6 Z		INFAME AND THE PROPERTY OF THE	INIFAG 1.139290 INIFAG 1.139299 -1.038	-003 -053 -059 -079 -079 -108 -1198 -1199 -1299 -279 -279 -279 -279 -279 -279 -279 -
.506 .500 .500 .500 .500 .500 .500 .500	ALFALVOET FRE LUE RAA D JAMAS 2-433 1-234 2-234 2-234 3-125 5-437 3-125 5-437 3-125 5-437 3-125 5-437 3-125 5-437 3-125 5-437 3-125 5-437 3-125 5-437 3-125 5-437 3-125 5-437 3-125 6-120 6-1	AL035: NCY = 300.00Mm FE AL STA IFFAL 129.00 65.00 65.00 20.00 20.00 20.00 10.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20 11.20	BETAL/6 Z		IN PAYMENT IA PAY	INIFAG 1.139290 INIFAG 1.139299 -1.038	-003 -053 -059 -079 -079 -108 -1198 -1199 -1299 -279 -279 -279 -279 -279 -279 -279 -
.506 .500 .500 .500 .500 .500 .500 .500	### - D ### -	AL035: NCY = 300.00Mm FEATA IFFAZ 1079.00 90.00 90.00 90.00 107.00 107.00 117.00	BETAL/6 Z	RETAC = 1.00	IN FAVELT IN FAVELT	INIMAG 1.19902602	-003 -053 -059 -079 -079 -108 -1198 -1199 -1299 -279 -279 -279 -279 -279 -279 -279 -
.506 .500 .500 .500 .500 .500 .500 .500	### A. PA. JOET ### A. JOE	AL0350 NCY = 300.00Mm FE AZ ISFAZ IS	BETAL/6 Z	ETAC - 1.CC+	D/LAPCAC IN PAYBLT IN PAYBLT 1 Construction 1 1 Construction 1 2 Construction	INITAG 1.199290 INITAG 1.1992828 -1.088	-003 -053 -059 -079 -079 -108 -1198 -1199 -1299 -279 -279 -279 -279 -279 -279 -279 -
.506 .500 .500 .500 .500 .500 .500 .500	ALFALVET FREUE FRE	AL0350 NCY = 300.00Mm FE AZ ISFAZ IS	BETAL/6 Z	ETAC - 1.CC+	D/LAPCAC IN PAYBLT IN PAYBLT 1 Construction 1 1 Construction 1 2 Construction	INITAG 1.199290 INITAG 1.1992828 -1.088	-003 -053 -059 -079 -079 -108 -1198 -1199 -1299 -279 -279 -279 -279 -279 -279 -279 -
.506 .500 .500 .500 .500 .500 .500 .500	### A. PA. JOET ### A. JOE	AL035: NCY = 300.00Mm FEATA IFFAZ 1079.00 90.00 90.00 90.00 107.00 107.00 117.00	BETAL/6 Z	RETAC = 1.00	IN FAVELT IN FAVELT	INIMAG 1.19902602	-003 -053 -059 -079 -079 -108 -1198 -1199 -1299 -2299

TABLE 3.3

ADMITTANCE AND IMPEDANCE OF HONOPOLE					AUMITTANCE AND IMPEDANCE OF MONOPOLE ANTENNA OVER FRESH MATER (MEASURED)					
ALFAL/BETA 1289				DLCC17	ALFAL/BETA0911		A0 . 1.052		DLCC16	
FREQUENCY . 300-0	OMHZ PE		D/LA	-DAC01CC	FREQUENCY . 300.0	CMHZ pf	067	C/LAF	DACC200	
	DMITTANCECMIL		1MPF D	ANCE (OHPS)		CHITTANCEL	ILLIFES)	IMPEDANCE (OHMS)		
			8		DETAL	3	в	R	×	
DETALOH	G	е		×						
-093	•90	• 35			• Co6	:	•10			
-180	.02	1.56			•330	9	1.18			
.359 .539	•11	2.42	18.74	-412-37	96	•15	5 - 1 +			
.718	.32	**11	18-83	-241.84	-6-1	• ? 2	3.24	21.19	-307-23	
-898	.93	5.96	25.56	-163.8c	·876 ·991	1.25	5.50	25.85	-1-17	
1.077	5.45	8 - 45	31.35	-109-37	1.157	2.96	10.55	24.65	-87.87	
1.257	6.78	12.51	33.49	-61.79	1.322	10.24	15.96	28.48	-44.35	
1.436	20.50	-4-30	46.72	9.80	1.447	29.00	5.52	32.4.	-6.C1	
1.795	11.75	-8-48	55.96	+0.39	1.652	7.25	-12-60	38.32	64.87	
1.975	6.76	-7-14	69.92	73.85	1.618	**22	-13-24	55.84	100.57	
2-155	4.63	-5-57	88.25	106-17	2-148	2.92	-5-80	69.25	137.55	
2.334	1.49	-4.30	113.79	140.20	2.313	2.12	-4-39	89.20	184.71	
2.514	2.82	-3-32	148-62	210.96	2.479	1.76	-3-50	114-68	228.05	
2.693	2.17	-1-55	305-14	217.96	2.6**	1.54	-2-59	169-61	285 - 25	
3.055	2.11	79	415-67	155 - 63	2.8.9	1 ** 1	-1 - 88	255.32	340.43	
3.232	2.13	6	469-11	13.21	2.97	1.33	-1-25	399.23	277.95	
3-411	5.30	.64	+03-5+	-112.29	3.1.0	12	• 63	763.91	-14.87	
3.591	2.63	1 - 36	300.01	-155 - 14	3.470	1.54	• 77	519.46	-259.74	
3.771	3.12	2 • 17	165.30	-150.2. -119.2c	3.635	1 . 6 2	1.55	318-47	-271-22	
3.950 4.130	5.25	3.55	138+41	-84-89	3.8.1	2.33	2.56	194.45	-213-64	
••309	6.82	3.C3	122.46	-54.41	3.966	3.15	3.28	152.31	-158.6c -109.12	
4-489	8-11	1.97	116.43	-58-56	4.131	0.03	***3	101-10	-66-09	
4.668	8.53	.55	117-16	-3.C2	4.462	9.50	3.16	94 . 78	-31.53	
4 · 8 · 8 · 8 · 5 · 027	7.92	-1-19	123.48	18.55 37.13	4.627	10.51	12	95 - 1 -	1.69	
5.027	5.87	-2-15	150-21	55.C2	4.792	9.18	-5-81	99.60	30.49	
5.346	**7*	-1-88	182-29	72.30	4.957	7.10	-3-92	161.42	59.6C	
5.566	***8	-1 -73	194 - 25	75 · C1	5.123	••27	-3-90	143.35	114.12	
5.746	**05	-1 - 39	550.89	75.81	5.453	3.57	-2-88	169.68	136.85	
5.925	3.70	89	247.72	57.56	5.618	3.01	-2.38	204.42	161.64	
6.105	3.72	-19	268-12	-13-69	5.764	2.70	-1-82	254.66	171.66	
6.464	3.86	-55	253-91	*36 - 18	5.949	2.53	-1-54	318 - 70	156.20	
6-643	**11	.90	232-18	-50.84	6-11-	2.45	71	377.84	36.36	
6.823	***7	1 - 18	503.14	-55.21	6.279	2.55	• 35	384-91	-52-83	
7.002	****2	1 . 34	192.58	-53-54	6.610	2.78	1.03	316-29	-117-19	
7 • 182	5.42	1.35	164-50	-42.42 -27.83	6.775	3.14	1 - 33	270.03	-114.37	
7.541	6.23	.55	159.27	-14.C6	6.9.0	3.64	1.78	221.71	-108.42	
7.721	6.33	-+c5	157.97	1.25	7-1/6	5.38	1.94	183.73	-76.98	
7.900	6.15	55	161.31	14.43	7.271	6.72	2.05	150-11	-34.51	
9.630	5.76	-1-00	168-53	29.26	7.6-1	0.79	.52	142.27	-10-50	
8 - 259	5.33	-1-04	180-7-	35.27	7.7.7		76	142.59	15.64	
8 - 439	••95	-1-17	191.33	*5.55	7.932	5.09	-1-68	142.49	36.35	
8-618	****	-1-12	221.71	49.56	8 - 097	5.72	-5.03	155.27	55.1c	
8.977	4.56	68	228.91	36.54	9.202	5.27	-1-96	166.70	62.CC	
9-157	4-17	+7	236.80	26.69	8.428	3.95	-2-29	176.28	97.91	
9.337	**26	19	534.58	10.45	8.593 8.758	3.05	-1-69	225.61	100.46	
9.516	**35	· c5	229.86	-5.64	8.923	3.13	-1.41	254.65	107.82	
9.696	•••9	.24	510.33	-11.87	9.049	3.05	81	306.27	81.34	
10.055	**91	***	201.74	-19.72	9.2.4	2.5.	63	370.85	91.99	
10.234	4.93	. 47	201.01	-19-16	9.419	2.95	55	327.60	32.74	
10.414	**9C	• 35	203.05	*1**5C	9.564	3.11	35	318-17	1.60	
10.593	**92	.34	505.53	-13-90	9.750	3.07	•50	267-51	-36.45	
10.773	4.92	.28	505.60	-11.53	,.,,,					

TABLE 3.3 (CONTINUED)

AVTENIA	OVER FRES	- AATER (ADMITTANCE AND IMPEDANCE OF MONOPOLE ANTENNA DICE FRESH MATER (MEASURED)						
ALFAL/BETA 0460	ETAL/BE	TAO . 1.0	18 4/64	MDLCC15	ALFAL/BETA USSC	ETAL/HE	TAS . 1.01	6 4/64	MDL0015	
FREQUENCY - 300-00MHZ PE - +067 D/LAMDAC - +0500					FREQUENCY . 300.000042 PEC67 D/LAM					
	CHITTANCE	"ILL 1 = + 0 S	I PPEC	ANCE (BHPS)		OMITTANCE	-11114651	IMPERANCE (BHES)		
HETAL	G	8	R	x	BETALON	- 6	е		×	
•083	•1.1	.50			+0+3		• 35			
•160	• 61	. 35			•160	. 1	**2			
.360	: 53	1.39			.319		.94			
•640	7	2.28			79	• - 3	1.71			
•799	-10	3.51	12.96	-2831	·636		2.70	9.60	-370-12	
•959	.39	5 - 38	13.40	-184.90	.958	.32	5.62	10.10	-177.36	
1-119	1.15	8 - 45	15.57	-115.77	1.117	. 9 .	8 . 89	11.76	-111-24	
1.279	35.31	15.44	21.16	-59-51	1.277	****	16.94	15.59	-54-58	
1.529	13.76	-19-30	24.49	*10 *22	1.436	49.65	7.84	19.69	-2.99	
1.759	4.15	-11-49	29.31	75.68	1.596	8.9.	-16-47	25.39	46.99	
1.919	8.20	-7-79	34.61	118.24	: -756	3.17	-3-34	32.58	96 · C1	
2.079	1 . 47	-5-80	41.06	162 - C1	1.915	1.72	-6.50	•1.55	149.76	
2.239	1.09	-4.54	50.00	208.26	2.075	1.12	96	+3+32	266.59	
2.398	•90	-3-65	64.68	260-16	2.39.	.76	-2-71	95.94	342.10	
2.558	.76	-5-89	113.79	353.64	2.554	.05	-2.05	1+0+5+	**3.2*	
2.878	.61	-2-30	187-00	02.63	2.7:3	.57	-1.56	206.63	565.52	
3.038	.58	-1.55	317-84	521.14	2.873	.53	-1.02	+01-12	771.97	
3-198	.54	69	713.85	849-23	3.035	•50	58	852.66	989.05	
3.358	.02	07	1592.60	179.81	3.192	-53		1729.20	525 · CS	
3.518	.69	.55	806-21	-706.4C	3.511	.6.9	1.05	1112.9.	-723.84	
3-678	.85	1 . 39	350.50	-523-62	3.671	.05	1.76	184-65	-499.59	
3.838	1.1.	2.47	154.04	-333.76	3.630	.80	2.77	96.20	-333.22	
3.997	2.73	3.71	99.67	-225-48	3.990	1.15	****	66.39	-230-91	
4.317	5.42	7.67	61.45	*86.96	4-150	1.*5	5.98	+7-21	-152-62	
4.477	12.19	8-13	56.78	-37.87	**3.9	3.92	9.03	*C**5	-93-18	
637	17.00	-2-56	57.52	8.66	***	21.74	13.26	37.62	-+0-59	
4.797	10.21	-8.36	58-63	48.C1	4.758	5.19	-10-99	+3-44	9.35 59.C1	
••957	5.35	-7-38	64.39	88.82	1.94	3.02	-7-53	51.86	107.87	
5-117	3.24	-5-24	72.64	130.93	5-167	2.12	-5-32	64.64	162.21	
5.437	1.72	-3-56	110:03	227.74	5.267	1.47	-3-50	84.62	224.51	
5.596	1.90	-2-75	147.03	288.79	5.426	1 - 15	-2 - 86	121.03	300.99	
5.756	1.23	-2-04	216.76	359.5c	5.586	.97	-2.05	188.59	398.57	
5-916	1.12	-1-54	308-88	424.71	5.746	- 6.5	-1 -48	291.81	508 · C#	
6.076	1.06	-1-02	489-83	471.35	6.065	.76	53	900.79	663.02	
6 - 236	1.06	52	760-40	373.C3	6.224	.70		1423.92	81.37	
6.396	1.17	01	917·35 713·72	-317-21	6.384	7	• • • 9	972.42	-711-18	
6.716	1.33	1.15	+30.23	-372.CO	6.544	.71	•98	484.81	-669-17	
6.876	1.59	1.78	279-12	-312-47	6.753	.70	1.63	238.88	-499.19	
7.036	2.05	2.60	187-00	-237-17	6.863	•93	5.50	155 - 71	-378-40	
7-195	2.02	3.51	140-07	-168-37	7.022	1.19	3.51	101-53	-273-89	
7.355	***1	4.33	115.45	-113.36	7.3.2	2.76	5.25	65.97	-202-77	
7.515 7.675	7.17	••3•	102.07	-61.78						
7.835	10.59	1.94	88.50	*17.11 22.90	7-501	13.48	7.56	56.36	-83.34	
7.995	7.66	-5-23	89.04	60.79	7:820	15.92	-4-96	57-26	17.84	
8 • 155	5.07	-5-39	92.59	98.43	7.980	7.68	-4-19	60.92	64.97	
8 - 315	3.58	-4.76	100.92	134 - 18	8-1-0	3.91	-6-52	67.65	112.81	
8 - 475	2.07	-+-00	115.44	172.94	8.229	2	-4-97	79.60	162.13	
8 • 635	2.15	-3-27	139.59	215.31	P-459	1.73	-3-84	97.53	216.48	
8.734	1.40	-2-63	177.22	258.94	8.618	1 - 35	-5-93	129.72	281.53	
9-11-	1.01	-2-09	231.32	300.28	8.778 8.938	1.15	-5-51	185.29	356.07	
9.274	1.43	-1-13	430.49	340.18	9.097	1.03	-1-63	277-05	*38.43	
9.434	1.45	62	583-06	249.31	9.257	.02	-1.08	755.03	522.02	
9.594	1.50	**11	663-10	48-63	9.416	.71		1069-83	176.35	
					9.576	. 5 3	• 35	941.87	-354.47	

TABLE 3.3 (CONTINUED)

ADMITTANCE AND IMPEDANCE OF MONOPOLE ANTENNA OVER FRESH MATER (MEASURED)					ACMITTANCE AND IMPEDANCE OF MONOPOLE AFTERNA SVER SALT MATER (MEASURED)					
ALFAL/BETA0310	HETAL/BET	Au . 1.01	/	PDL0015	ALFAL/BETA C661	HETAL/H	ETAD . 1-105	A/LA	PCLCC17	
FREQUENCY . 300.0	PE	67	C/LA	HCAC25LC	FREQUENCY . 300-0	-COM-2 PE . 2.885 C/LAPCAC			PDACC10	
	CHITTANCELL	ILL (*+05)	IMPED	ANCE (OHFS)		CHITTANCE	************	IFPEC	ANCE (BHFS)	
HETAL	G	8		*	hETAL	9		R	×	
.083	•=1	- 38			.001	• >0	•16			
-160	• 1	.63			•174	• - 1	• 38			
.319	• 23	1 - 36			.3.8	. 3	1 - 48			
- 479	•05	5.53	8-27	-321-33	.523	7	2.70	9.60	-370-12	
-638 -798	.51	3-11	11.44	-233.C8	•697 •871	•16	******	9.8.	-247.7	
.958	.63	6-19	16.27	-159.89	1.045	1.17	5.97	11.73	-166.68	
1:117	2.13	9.33	22.27	-102-34	1.219	3.00	9.16	16.51	-107-42	
1.277	6.77	14.62	30-17	*50.30	1.394	41.72	25+12	19.70	-22.74	
1.436	23.90	-53	41.82	93	1.54.8	30.08	-19-04	23.73	15.02	
1.596	10.13	-8 - 71	56 . 76	+8 +80	1.7.2	11-11	-16-89	27-18	+1.33	
1.756	4.95	-6-26	77.72	98.29	1.916	***9	-10-93	34 - 11	76.23	
1.915	3.0.		104.99	153.34	2.090	3.07	-7.24	+3-31	110-59	
2.075	25.3	-3-26	1.2.71	209.57	2.265	2.15	-5-56	£2.98	148-94	
2-234	1.75	-2.40	198.36	272.03	2 • 4 3 9	1.64	-4-50	71.49	196-17	
2.394	1.50	-1-72	*30.53	372.00	2.6:3	1.36	-3-34	164.57	256.82	
2.713	1.55	67	629.74	345.84	2.787	1.11	-2-43	164.50	329.7€	
2.873	1.14		851.00	149.30	3-136	1.15	-1-27	619.81	393.45	
3.032	1.09	•15	900-38	-123.91	3.310	1 - 19	· c5	838-86	-35.25	
3.192	1.02		826.58	-356-56	3.412	1.39	•61	603.25	-264.73	
3.352	1.04	-96	519-17	-479-23	3.658	1.70	2.06	238 - 31	-288.77	
3.511	1.06	1.53	305-96	-441-62	3.832	2.51	3.50	135.31	-188-68	
3.671	1.13	2.11	197-24	-368 · 3C	4.007	3.75	****	98 - 75	-128-77	
3.830	1.28	3-13	111.93	-273.71	4.181	6.11	6.33	78.94	-8: -78	
3.990	2.03	**53	79-68	-205-51	4.355	10.33	6 • 63	68.56	****CC	
*·150 •·309	5.16	6.09	59.77	-138-39	••529	15.00	2.85	64.3.	-12.23	
***69	19.18	9.47	+8 - 77	*84.42	••7:3	9.44	-3-59	65.10	16.15	
4.628	10.36	-5-55	54.82	18.60	5.052	0.07	-6-43	71.22	74.74	
4 - 738	7.13	-7-41	67.43	70.07	5.226	****	-5-28	94.27	103.70	
4.948	3.82	-5-33	88.83	123.95	5.4.0	3.74	35	113.64	132-18	
5.107	2.45	-3.76	121.65	186-69	5.574	1. 9	-3-42	145.45	166.98	
5.267	1.92	-5.65	181.98	2+8-32	5.749	2.67	-2.65	188.67	187.26	
5.426	1.59	-1-80	275 - 65	312 · Cé	5.923	ē • • 3	-1-89	256.41	199.43	
5.586	1.39	-1-19	+15-15	355.41	6.597	2.38	-1 - C+	352.80	154-17	
5.746	1.28	64	807-49	312.5c 162.86	6.271	5.30	***2	420.75	76.83	
6.065	1.19	•12	867-58	*91.32	6.4.5	2.46	• 36	397.9#	-58-24	
6.55.	1.10	.50	753.43	-342.47	6.670	3.20	1.05	325.26	-128-39	
6.384	1.15	.96	512.46	-427.79	6.968	3.84		178-13	-138.86	
6.544	1.16	1 * * 1	347.96	-422.95	7-1-2	4.90	3.10	1.5.75	-121-07	
6.703	1.20	1.93	232.34	-373-68	7.3.6	6.12	3 . 37	119.97	*61.07	
6.863	1.32	2.57	158-14	-307.88	7.49;	0.21	2.56	111.01	-34.61	
7.025	1.52	3.46	106.43	-2.2.24	7.605	2.76	.98	101.44	*10-19	
7.1.2	1.97	***3	80.73	-185-6+	7.839	3.95	-1 -44	98	14.25	
7.3.2	3.01	0.06	65.74	-132.36	#+013	0.*1	-3-48	101.52	*2 · C1	
7.5(1	5.76	8 . CS	59.75	*80-14	8-1-7	0 . 5	***17	106.51	64.8.	
7.601	13.98	-5-71	57.29	-50.81	8.3.2	5.00	***11	116.06	85-1*	
7.980	6.46	-5-71	71.86	25.04	8.536	***3	-3-+8	139.59	109.66	
8-1-0	3.52	-5-20	90-17	77.2c	8.8.4	3.47	-3-12	156.86	127.45	
8.299	2.47	-3-80	120.52	185.00	9.05	3.:6	-1-94	108-16	137-15	
8.459	1.94	-2.85	163.55	239.78	9.233	3	-1.40	271.39	1-1-10	
8-618	500.5	.5.09	231.68	298.89	9.4 7	3. 6		3:8.28	75.56	
6.776	1.45	-1 - + +	347.21	344.82	9.5%1	1.12	*****	3.1.16	3.63	
8.938	1 - 36	**95	494-17	345-19	9.755	***	3	289.49	-36.61	
9.097	1.89	51	670.41	265.05	9.919	3.75	•92	251.53	-61.71	
9.257	26	15	786.52	74.91	10.10.	* . 3 *	1 **1	24.675	-67.71	
9.416	1.23	.30	767.36	-187-16	17.278	5 . 8	1 . 73	176.39	*60 . 67	
		.74	596 . 94	-359-14	10.452	5. 6	1.59	153.95	**0.26	

TABLE 3.3 (CONTINUED)

		LT MATER IM	FASUMENI		A"-TEA"-A	C-EH SAL	. WALEN I	ENSUMEDI	
ALFAL/BETA0407	SETAL/S	E*A0 . 1.04	, A/LA	-DLCc16	ALFALIBETA 0221	SETAL/SE	*A0 . 1.0	25 A/LA	-CLCC15
FREQUENCY . 300.0	DMHZ.	PE . 2.885	D/LA	-DAGC2CG	FREGUENCY . 300.0	M+2 1	2885	D/LA	PDAC
	OMITTANCE	("ILLIFES)	IPPEC	ANCE (BHPS)		CHITTALCE	· ILLIFF65	IMPEC	ANCE (BHFF)
HETAL	9:	e	R	x	HETAL . H	3	е	R	x
-086	.03	1.51			•9e• •161	2	1.45		
-16*	•5	1.50			.3/2	5	2.62		
.329	.05	3.42	5.68	-284.79			3.51		
1658	•13	**78	5.69	-209.05	.644	•15	***66	4+60	-214.49
558.	.25	54.0	6.06	-155.53	.8 5	.16	6.08	4.33	-164.36
.9.7	.57	8.40	7.33	-113-16	.910	.32	5.11	***	-123-11
1-151	1.53	13.01	8.92	-75.62	1.127	3	11.74	5.99	-84.76
1.316	6.34	55.80	11.35	-+0.71	: •2**	3. 1.	20.41	7.81	**7.72
1.480	20+16	26.76	14.51	-6.91	1.4.9	55.62	46.01	10.67	-8.83
1.6.	16.67	-548	18.59	27.7.	1.610	3.10	-25.59	20.60	32.66
1.8.9	5.11	-13-48	24.59	64.86	1.771	1.58	-11-87	29.39	133-15
2-138	1.68	-6-42	33.27	108.57 158.3e	2.093	1.00	-4.73	43-18	202.20
2.1.2	1.26		66-11	219.31	2.254	.76	-1-76	67.83	290.94
2.467	1.03	-2.96	104-86	301.35	2.415	.61	-5-15	125.35	435.63
2.631	.90	-1-93	198.46	+25.59	2.576	.54	-1-25	291.25	674-18
2.796	• *2	-1-03	•73·09	594.24	2.737	7	***2	956.65	1058 - 47
2.960	.79		1158-87	352.Ce	2.878		.06	5531.54	-304.26
3-125	.*1	.55	844-95	-573.75	3.059	::3	• 60	789-1-	-1101-12
3.289	.25	1 . 3 .	337.56	-532-15	3.361	.51	2.05	114.58	-459.37
3.616	1.29	3.25	156.90	-377.22	3.5.2	.50	2.97	61.31	-325-1-
3.712	1.38	••37	65 - 71	-208-08	3.7.3	•72	3.89	46.00	-2+8-55
3-9-7	1.91	5.79	51.38	-155.76	3-96-	.90	5.01	34 . 7 .	-193.36
**111	3.12	7.80	44.21	-110.52	**025	1.30	6.62	28.56	-145.45
*-276	0.07	10.62	40.57	-70-50	**1 6	2.19	9-13	24.84	-103-57
****0	13.61	12.52	+0+59	*36.5*	**3*7	***9	13.53	53.99	-65 · C6
**6.5	23-12	2.00	•2.93	-3.71	**5 *	19.12	19.75	25.30	-56-14
1.9.3	7.00	-9-11	58.26	30.02	1.830	23.22	-12-62	35.64	13.39
5.098	***	-9-30	75 - 39	104-16	4.991	3.45	-7-91	46.33	106.23
5.202	33	***7*	95 . 7 .	149.77	5.152		-5-23	63.31	167.24
5.4.7	2.29	+3+36	138.51	203.22	5.3:3	1.39	-3-50	98.01	246.79
5.591	1 - 45	-2-28	214.59	264.47	5.474	1 9	•2•27	171.90	357.95
5.750	1.02	-1 - 36	362.09	303.98	5.635	• *5	-1-25	385.40	507.10
5.920	1.49	***7	610.41	192.54	5.796	• ^ 3	**54	8+6-51	550.74
6.065	1	•55	678-61	-103-68	6.967	:77	:11	1272.73	-181-82
6.414	1.53	•90	500.89	-315-25	6.279	.75		702.60	-656-38
6.578	1.08	2.43	192.50	-324.99	6.440	10	1.25	352.94	-588-24
6.7.2	1.95	3-16	141.43	-229-18	0.6 1	• 16	2.54	119.59	-353.21
6.907	2.46	4.08	108-38	-179-75	6.762		3.55	65.77	-284.72
7.071	3.35	5.07	90.72	-137.30	6.923	1-12	**:3	54.40	-223-57
7.236	****	6.30	76.68	-99.62	7.06*	1.02	5.58	•7·9×	-165.28
7.400	7.50	1.55	69.16	-65.7c	7.245	22	7.08	+3.53	-126-47
	11.01	5.89	68.50	-34-75	7.4.6	4.52	9.65	39.81	-84.98
7.729	14.15	17	75.29	23	7.567	1 19	12.50	+0.53	-46.35
7.89.	111	-5-51	84.74	54.79	7.4.9	22.74	-9-28	42.58	-7.71
5.225	55	-5 · c1	99.45	91.42	*•050	6.32	-6-53	56.08	32.58
8.387	*****	-4-12	121.31	124.95	**211	3.45	*6.09	70.42	124.31
8.551	3.10	-3-18	157-18	161 - 2 -	**372	2.23	***34	93.66	182.25
8-7:6	2.49	-2-31	215.84	500.5+	8.513	1.03	-3-09	133.55	253-17
8+840	5.32	-1-49	310.55	208.44	8.674	1 - 21	*2*:5	206.67	339-19
9.045	5.00	77	+35+45	167.65	9.855	1	-1-26	394.85	*36.41
9.2.9	1.92	**10	519.42	27.05	9.016	1	****	733.43	*09.03
9.374	1.92	-57	478-65	-1-2-10	9.177	• 94	• 07	1015-23	*72.52
9.538	2.21	1.86	365.05	·215.79	9.318	-76	.69	666.8.	-493-67
9.867	2.59	1.86	190.83	-193.04	9.600	1. 76	1.51	392.31	**96.40

TABLE 3.3 (CONTINUED)

ADMITTA ANTENNA	OVER SAL	PEDANCE OF	MENOPOLE EASURED!		ASTENSA	EVER SAL	PEDANCE OF	ASUREDI	
ALFAL/BETA0190		TAD . 1.02		DLCC15	ALFAL/BETA0343	HETAL/HE	TAD . 1+016	A/LA	DLCC15
FREQUENCY . 300-0	(MMZ PI	2.885	DILA	DAG1000	FREQUENCY . 300-0	CHHZ pi	. 2 - 285	DILA	DAC250
	CHITTANCE	"ILL 1 = + 05)	IMPECA	NCE (BHPS)		CHITTAL CEL	11117-051	I MPEDA	ANCE (BHFS)
BETALON	6	8		*	HETAL	- 9	e	R	×
.084	.00	1.33	•00	-751 - 8#	.083	•10	1.62	•00	-617.28
-161	• 20	1.56	•00	-641.C3	•160	*40	1.85	•00	-540.54
.321	•00	2.42	•00	-413.22	.319	. 0	3.59	1.55	-278-5+
.643	. 2	3.33	2.72	-233-07	.638	. 5	****	3.40	15.055.
.8.*	9	3.65	2.85	-177.89	.798	+/3	2.85	6.71	-170-68
.964	.26	7.50	4.62	-133-17	.958	. 4.6	7.70	11.38	-128.87
1.125	.93	11-18	7.39	-88.83	1.117	2.27	10.99	18.03	*87.27
1.286	4.79	20.75	10.55	-45.75	1.277	9.76	15.53	27.45	-46.66
1.447	54.01	40.50	11.85	-8.89	1.430	23.73	1.50	*1.63	-2.61
1.607	7.92	-16-87	55.80	48-57	.596	156	-7-63	93.54	100.92
1.768	2.88	-5-30	33.32	102.27	1.915	1.00	-31	145.77	162.45
2.090	1.03	-3-48	78.20	264.21	2.075	c+19	-2-13	234.65	228.22
2.250		-2-28	137.02	390.52	2.23*	2.73	-1-23	360-11	279.34
2.411		-1 - 39	273.31	593.59	2.295	3.57	****	569.56	195.90
2.572	.56	72	673.08	865.38	2.554	1.75	*11	793.85	-69.86
2.733	.49		1774.08	687.91	2.713	1 * 1 *	. 45	676.96	-368-17
2.893	5		1384-65	-1076.92	2.873	1 * .6	-96	518-29	-469.35
3.05.	3	. 67	+56-57	-923.76	3.032	1.29	1.50	213.91	-12.65
3-215	••0	1.35	210.26	-693.86 -470.77	3.352	. 36	2.54	130.50	-3
3.376 3.536	.39	2.05	51.31	-345.74	3:511	11-1	3.55	MR-69	-282.74
3.697	5	3.64	33.45	-270-59	3.671	1 . 5	3.88	64.99	-2-0-15
3.858	.68	4.65	26 * 41	-211-76	3.630	1.01	4 . 47	54.85	-189.46
4.019	.82	6.07	21.86	-161.79	3.990	1.65	6.15	40.70	-151-68
**179	1.46	8 - 39	20.13	-115-69	4.150	2.73	6.33	35.53	-108. C
4.340	3.44	12.77	19.67	-73-C1	••3 9	5.74	11.67	37.6.	-70-14
4.501	15.40	-16.27	21.52	*30.57	***69	10.26	10.48	56.45	-26-C1
558.0		-15-06	33.49	65.89	**628 **788	7.21	-6-23	79.41	68-61
1.983	2.57	-7.01	46-10	125.75	1.918	***	***19	119.25	123-68
5-1	1.43	****1	66.53	205-18	5-1.7	2.72	-2-67	187.23	183.79
5.305	1.01	-2 - 21	113.58	315-16	5.207	2.1	-1.58	304.07	228.77
5.465	.79	-1-64	238 . 40	494.92	5.426	1.75	73	466.73	203.04
5.626	.62	***5	560-12	767.91	5.500	1.54	**05	648-67	21 · Ce
5.787	.54		1628 . 47	603-1-	5.746	2.*3	.97	612.03	-231-11 -368-7c
5.948	.48	. 41	1204-52	-1028-8e -854-02	6.05	1.00	1 9	328-97	
6.108	.43	1.30	\$14.51	-672.51	6.22	1.55	1.90	237.62	-401.78
6:430	.40	1.45	111.65	-516-40	6.314	1.25	27	163-11	-322-31
6.591	. +8	2-42	78.86	-397.58	6.5	1.20	2.94	123-15	-287 · 36
6.751	.52	2.97	57.20	-326-69	6.7.3	1.31	3 - 47	95.22	-252 - 24
6.912	.01	3.45	+0.76	-255.27	6.863	***	••12	74.77	-216.95
7.073	.62	****	34.03	-200.65	7.025	1.04	5.05	58-17	-179-13
7.234	1.25	8.75	29.40	-150.51 -107.CP	7.1.2	e • 15	6.24	•9•36	-1-3-25 -105-C*
	5.27		28.91	-107.07	7.3.2	3.41		03	-65-05
7.555 7.716	22.50	12.93	31 - 75	-20.08	7.5:1	7.13	10.54	.4.62	-22-01
7.877	17.43	-13-C1	36.84	27.5c	7.820	10.75	+5+31	61.78	23.10
1.037	5.67	-9-80	58-89	76.45	7.960	6.62	-58	29.64	74.20
8-198	2.69	-6-20		135.74	8.1.0	3.94	-3-92	127.55	126.90
8.359	1.59	*****	84.35	214.33	4.279	5.69	-2-47	2: 1 . 69	185.20
8.520	1 - 13	-2-71	131.08	314.35	8.459	2 - 1 -	-1 - 45	350.50	217.00
8.680	.89	-1 - 72	237.30	458.61 066.67	8.618	1.51	67	45.91	179.87
9.0.2	.63	**30	1293-90	616-1-	8.778	1.61	52.	585.92	-199-13
9-163	.58	• 31	1341.04	-716.76	8.938 9.097	1.53		470.38	-321-16
9.323	.55	. 78	603.80	-856.30	9.257	1	1 - 45	344.62	-356.92
9.454	.55	1.29	279 . 67	-655.96	9.416	. 19		252.53	-343.37
9.6-5	.56	1 . 85	1+9-89	-495-17	9.576	1.79	2.77	154-13	-313.95

TABLE 3.3 (CONTINUED)

ADMITTAN ANTENNA	CE AND IMPE	EDANCE OF	MENOPELE ASURED)		AUTITALA ACTENA	EVEN COIS	PEDANCE OF TEARTH (ME	MENOPELI ASURED)	E
ALFAL/86TA0963				DLCC17	ALFAL/BETA Ce21	HETAL/BE	TAC • 1.631	A/LA	PCLCC15
FREQUENCY . 300-0	F#4 PE	· •c1ē	DILAM	0.400200	FREQUENCY . 300.0	re-2 P	E • • 012	E/LA	MDAC0500
	MITTANCE		IMPEDA	NCE (BHFS)		CHITTANGEL	"1LL1F+05)	IMPED.	ANCE (BATE)
HETALOH	5				PETAL+H	1	е	R	λ
		.66			.0**	.:2	1.42		
•096 •174		- 82			•162	. 3	1.71		
1317	•11	1.71			• 32 •	. 7	3.25		
•521	-16	2.56	100	2000	.644	• 11	**16	6.35	-2-0-22
•695	.21	3.77	16.12	-264.43	.810	.67	5.08	15.29	-163.C+
.869	1+19	5.38	10.15	-128-75	.972		7.60	10.32	-130.7e
1.0.2	3.45	11.50	24.94	-81.67	1.134	1.49	9.34	16.66	-104-41
1.390	12.76	14.07	30.36	-37.93	1.500	6.67	17.57	18.88	-12.75
1.564	20.03	-1-04	37.55	1.44	1.458	16.57	-13-73	35.78	29.65
1.737	11.98	10.53	47.09	1-39	1.271	6.17	-9-28	+9.66	74.73
1.911	5.94	-8-63	87.20	101.32	1.9.3	3.3.	-6-07	c3.58	126.46
2.045	2.32	-3-67	106.38	158.48	2.1.5	2.35	*** 05	157-18	184.72
5.5.5	2.7	-3.56	138.81	218.61	2.207	1.73	-5.92	150-18	253.45
2.6 0	1.78	-2-30	210.44	271.92	5.555	1.45	-:-*9	255.52	333.€
2.700	1.60	-1-56	320 **1	312.40	2.591	1.76	-1-17	749.42	395.74
2.9*3	1.50	86	501.74	287.66	2.915	1.12	-16	948.00	-1-7-26
3.127	1.47	20	607.91	-55.92	3.077	1.01	.78	620.50	-478.97
3.3 1	1.76	.12	400.46	-270-64	3.239	.76	1.69	455.00	-516.66
3.645	1.77	1 - 32	363-05	-270.75	3.4 2	1.01	1 - 68	262.85	-437.22
3.822	2.26	2.57	192.90	-219.42	3.563	1.15	5.39	163.48	-339.74
3.956	c. '.	3.58	137.00	-166.82	3.775	1.17	3.23	79.27	-256.83
4.169	3.04	3.98	125.55	-130·12 -83·64	4.049	2 - 8	2.52	67.72	-150.73
**3*3	7.10	3.54	107:09	-54.32	**211	3.90	6.97	61.62	-108-46
**517	7.72	1.60	100-17	-16-45	4.373	6 7	5-11	60.81	-71.79
****	7.30	-1-21	105.74	13.76	4.535		6.55	66.14	*34.77
5.036	7.36	-2.54	121.41	41.9C	4.697	13.64	-1-27	73.35	27.62
5.212	5.93	-2.94	135.36	67-11	5.020	12	-3-27	14.95	75.66
5 - 3 3 5	***1	-2-61	166-10	96.12	5-102	*****	-3-62	136-15	114.85
5.559	3.09	-2 - +2	191.72	128.15	5.3.4	3.14	-2-65	186.00	156.97
5.733	2.73	-1.08	316.73	125.3c	5.5 6	e • • ?	-1.03	261.35	193.65
6.050	2.57	37	381.20	54.88	5.668	2.5	-1-08	351.83	201-16
6.25*	2.46		+06+48	3.30	5.430	1 - 15	***1	515.23	114-15
6.428	2.52	•61	374.86	-90.74	5.992	1.70	• 25	575.75	-667
6.602	2.04	1.05	327.05	-130 · Ce	6.3.6	1.03	1.34	366-09	-300-95
6.775	3.76	2.00	270.91	-136.73	6.476	1.70	2.06	238 - 31	-288.77
7.123	3.71	2.47	184.80	-119.80	6.6*0	1.30	2.34	206.53	-268.45
7.296	4.51	2 . 47	170:57	*93.42	5.5.2	2.0	2 - 47	105.00	-229.96
7.470	5.40	2.25		-65.75	6.96*	2.47	3.64	127.65	-188-11
7.6**	6.17	1.87	1+8+44	-44.99	7.176	****	••• 59	117.70	-155-25
7.818	6.59	•92	148-84	-20.78	7.462	3.11		109.37	-97-17
7.971	0.51	19	153.48		7.612		**10	109.98	-69-27
8.165	5.76	-1-13	161.96	30.71	7.77*	7.50	1.69	125.65	-28.02
8.379	5.20	-1.66	193.31	70.22	7.9:6		2	122.52	-6.32
8.606	3.78	-1-55	226 . 47	92.87	8.077	2.23	-1.60	131.84	29.15
8.860	3.49	-1-16	260.64	82 - 15	1.259	5.39	-5-55	158.62	65.33
9.034	3 . 15	89	278 - 83	74.05	£ • • 71 • • 5 · 3	37	-1-56	236.09	110.90
9.2.7	3.14	49	310.90	*8.52	1.7.5	3.74	-1.26	3.1.50	138.53
9.381	3.3	•:38	337.88	****12	3.3 7	2.50	••70	363.45	99.38
9.555	2.01	.38	332.5	-61.65	9.009	c • 33		.27.17	29.33
9.9.2	3.28	.62	254.36	-55.64	3.231	1.75	.54	476.3	-131-90
10.076	3.53	. 88	266.71	-66.45	9.313	: - 16	• 38	451.72	-95.33
10.250	**11	•90	232.18	-50.8-	9.555	2.75	1.56	273.33	-189.47 -198.35
10.423	** 34	1 * 47	206.70	•70 • 01	9.717	6	1.69	5,3.33	-1.9.35

TABLE 3.3 (CONTINUED)

	ADMITTA ANTENNA	ACE AND I	PEDANCE OF	HENDPEL!	E	ACTENIA	SVEN B	ST EARTH INE	MENOPELI ASURED)	
ALF	FAL/BETA				HDLCC15	ALFAL/BETA 35	SETAL/	ETAD . 1.004	A/LA	OLCC15
	FREQUENCY . 300.0	SHMA	PEC12	D/LA	-DAC1000	FREQUENCY . 300.0	t neZ	PE012	DILA	CAC2900
		CHITTANCE	(=1LL[F+05)	IMPEC	ANCE (BLMS)		CHITTALCE	("ILLIF+85)	IPPEC	ACE (BATE)
	BETALON	3	8	R	*	BETALON	5	e	R	x
						.012	****	• • • •		
	.083 .159	•12	1.42			•155				
	1318		2.56			•315	9	1 - 48		
	**76	•13	3.38			• • 73	*10	2.00	12.35	-351.68
	1635	.71	••28	11.44	-233.C8	.719	-21	3.90	13.77	-255·67
	•79 •	58	5.38	13.5	-184.58	.9-6	.55	5.02	21.57	-196.64
	1.112	1.17	10.42	13.27	-94.10	1.1 .	2.16	8.24	34.83	-110-37
	1.270	5.55	17-19	17-01	-52.68	505	21.07	11.65	36.90	-62-65
	1.429	35.38	15-19	23.87	*10.25	1.577	13.43	-6-50	61.38	28.34
	1.548	13.43	-124	35.05	37.17 88.22	1.735	1.55	15	118.63	99.46
	1.9(6	2.16	-5.56	68.33	1+8.+0	1.893	**13	-3-46	1+2-27	119.15
	2.004	1.50	-3.62	110-13	44.155	2.051	7.60	-2-65	1=8-6=	189.39
	2.283	1.37	-2-41	178 - 27	313.60	2.2.8	1.09		259.86	243.34
	5.345	1.14	-1-57	315.63	*17.C5	2.524	1.43	-1.46	5:3:43	290.57
	2.5.1	1.01	98	509.97	356.12	2.4.2	1.41	****1	642.89	258.07
	2.858	.*3	•17	1156.31	-236.83	2.8.19	1.01	*****	822.85	54.40
	3.017	.77	•70	711.05	-646.41	2.997	1.11	• 15	884 . 75	-119.5e
	3-176	.45	1.40	311.50	-531.83	3.15.5	1. 9		693-16	-394-28
	3 • 335	• • • 3	1.50	203.71	-451.59	3.470	1.12		311.52	-425.5e
	3.494	1.91	2.60	119.92	-342.64	3.678	17		212.90	-391.9#
	3.511	1.25	**38	58-18	-212.37	7.7.16	1 . 21	24.65	137.09	-293·C1
	3.970	1.20	5.57	+9.80	-164.40	3.9**	: 7	1.40	164.05	-244.83
	4.122	2.49	7-10	+3-99	-125-42	**1 1	2.54		63.15	-160.67
	2*8	4.76	3.35	+3.5+	-84.54	**7	0.43	7.41	66.92	-58.82
	*****	10.26	21.56	43-15	-*6.23	4.575	15.54	• • 30	64.33	1.24
	**74*	12.1	*0.56	64-13	35.03	4.732	1	-5 - 75	73.68	40.75
	4.923	5.91	-5-84	e5.61	84.60	***** *****	1.7-	-3-02	110.55	132.40
	5.0.2	3.52	-+-1*	119.23	1.0.20	5.2 6	7.7	-1.56	242.55	176.08
	5.309	22	-2-70	308.48	205.28	5.31.3	1.72	• . • . 13	327.95	192-15
	5.550	1.19		411.45	266.46	5.5:1	1 ** 3	74	469.65	199.9:
	5.717	1.4	••19	7.1.37	95.19	5 - 679	1.73		594.67	105.80
	5.876	1.63	• 30	767.36	-187-16	5 • 6 = 7	1.40	15	670.64	-67.7#
	6.034	1.10	• 27	356.30	-397-21	0.1.5		. 52	546.63	-339.57
	6.193	1.15	1.38	215.03	-427.66	6.3:	1.1	1 . 1 .	+38+32	-454+26
	5.511	1.13	2.39	161.64	-341.97	£ + + c f	1 . 9	1.53	308.87	-433.55
	0.670	1.02	3+08	111-16	-240.64	6.625	1.15		236 . 7 .	-387.CF
	6.828	1.50	3 - 73	69.50	-234.99	6.7'3	1.63		171.37	-331-60 -270-90
	7.1.6	1.76	5.65	72.55	-152.39	7.019	. 76	3.00	52.64	-615.61
	7.3 5	3.12	6.69	60.97	-151.03	7.256		••90	14.13	
	7	2.07	7.64	.2.6.	*****	7.414	****		77.4	-102-70
	7.622	1.00	6.94	£7.3	*46.34	7.572	1 -13	6 * 6 7	.8.7	-44.97
	7.7*1	13.70	1.67	75.23	•9·6c	7.7.7	1,:37	-3-61	*1.3°	26.25
	8.099	20.1	-1.27	114.07	34.26	1.015			1 . 8 . 5 .	50.65
	8.258	3 5	-3-33	148.5	128-51		3442		108-1-	100.50
	4.416	2.50	-2.36	2 8 . 81	175.99	4.311		-2-11	234.83	2.5.65
	4.575	2.73	-13	30.009	209.19	*****	1.00		337.27	2.5.:
	1.734	1.00	91	433.85	56-15	F-676	1.03		475.04	174.44
	3.052	1.5	*12	602.43	*52.96	1.912	1.11	3	784.3	15.75
	9.210		+90	500.89	-315.25	9-1-9	1.1		722.66	-193.45
	9.369	1 ** 7	1.35	369.03	-338.91	5.3 7		• • 7	6:8.71	-329.00
	9.528	1.45		251.85	-319.79	9.415	1475	1.07	461.7	-395.21

TABLE 3.4

		L1289		ON BEVERAGE A		TOAC . 1.500	
FREGUE	ENCY . 300.000		E067		010	RL . 162.0	COHES
- AE GO	Enc 350.05			T DISTRIBUTION			
	RAN D	ATA	NORMAL	IZEC DATA			
2/-	IRM AG	[RFAZ	INMAG	INFAZ	INREAL	INIMAG	Z/LAMO
-002	9.653	144.00	5.300	9.00	5.314	.8+2	.003
. 15	9.389	133.40	5.260	-1.60	5.528	147	·025
. 59	9.139	123.40	5.120	-11.60	5.015	-2.583	-100
. 56	0.104	82.00	4.5+0	-53.00	2.732	-3.626	-150
.116	7.7.7	60.70	4.34C	-74.30	1.174	-4.178	.500
-145	7.39:	4C+CC	4.100	-95.00	361	-+-12+	.250
.175	7. 33	19.60	3.940	-115-10	-1-690	-3.559	.300
.204	5.430	80	3.860	-135.80	-2.767	.2.691	-350
. 533	0.005	-50.60	3.700	-155.80 -175.90	-3-375	-1.517	**50
. 262	6.712	-•c.9c	3.480	-196.80	-3.471	.971	-500
162.	5.998	-61.80	3.360	-217.40	-2.49-	1.907	-550
.349	5.035	-103.60	2.860	-238.60	-1-490	2.441	.600
.378	4.784	-124.80	2.680	-255.8c	+75	2.638	.650
.407	4.57	-146.00	2.560	-281.00	**88	2.513	.700
. 436	** 191	-167.00	2.460	-3C2.CC	1.304	2.086	.750
65	****	-186.60	2.400	-321.60	1 . 881	1.491	.800
. 495	4.105	-206.00	2.300	-341.00	2 - 175	.749	.850
.524	3.427	-225.20	2-1-0	-360.20	2 - 1 + 0	007	.900
.553	3.534	-245.5C	1.980	-38C.5C	1.855	-1.219	•950
.582	3.254	-266.50	1.760	-+C1.5C	1.378	-1.571	1.050
.640	3.1.2	-311.00	1.780	-446.CC	.120	-1.716	1.100
.067	2.199	-333.CC	1.680	-468.00	519	-1.598	1.150
.698	2.999	-352.50	1.680	-487.5C	-1-023	-1.333	1.200
.727	2.963	-371.40	1.660	-5c6.4c	-1 - 383	• • 919	1.250
.756	6.850	-389.00	1.58C	-524.CC	-1-519	436	1.300
.785	2.579	-406.50	1.440	-5+1.5c	-1-4-0	59	1.350
.815	2.265	26.00	1.280	-561.CC	-1-195	.792	1.450
.863	1.856	67.20	1.6.6	-605.50	485	.920	1
		e. FEASU	REC CHARGE CI	STRIBLTION IN	PICCOUL/VOLT-		
	94.0	ATA	NORMAL	ATAS SESS			
2/4	IR 1AG	GREAZ	CNYAG	GNFAZ	CHREAL	CHIMAG	Z/LAMD
.003	9.7.5	-2.00	25.500	2 · CC	25.484	890	.00
. 15	6 • 159	-1C-7C	50.950	-10.70	20.556	-3.88*	.05
• 129	7.558	-20.70	19.380	-20.70	18.129	-6.850	+05
. 58	7.165	-41.20 -61.60	18.36C 17.46C	-41.20 -61.60	13.814	-15-359	•10
-116	6.513	-61.50	16.700	-61.5C	8.304	-16-517	.10
-145	6.170	-101-60	15.820	-101-60	-3.181	-15.497	.25
.175	5.772	-121-20	19.800	-121-20	-7.667	-12-659	• 30
.204	5.103	-141.80	14.280	-1-1-80	-11.222	-8.831	• 35
.233	5.273	-163.30	13.520	-163.30	-12.950	-3-885	• • • 0
.262	4.974	-:84.70	12.760	-184.7c	-12.717	1.046	. 45
.291	***727	-2C5.9C	12.120	-205.90	-10.903	5.294	-50
.320	4.579	-2260	11-740	-226.40	-8.096	8.502 10.156	•55
.378	** 25	-266.00	11.100	-266.00	720	10.295	.60
.407	7.783	-286.40	9.700	-286.40	2.739	9.305	.70
.436	4.533	-207.20	9.040	-3c7.2c	5.478	7.217	:75
.465	3 - 331	-329.00 -350.70	8.54C	-329.00	7.320	4.398	.80
	3.229	-35C.7C	8.280	-35C • 7C	8.171	1.338	. 85
.495	3 . 81	-372.00	7.900	-372.00	7.727	-1-643	.90
.524	2.987	-392.CC	7.660	-392 · CC	6.496	-4-059	• 95
.495 .524 .553		-+11.20 -429.50	7.500	-411.20 -425.50	4.700		1.00
.495 .524 .553	2.925		7.260	-429.50	2.543	-6.800 -6.978	1.05
.495 .524 .553 .582	2 . * 3 !				-1.922	-5.916	1.15
.524 .553 .582	2.722	-448.60	6.220				
.495 .524 .553 .582 .611 .640 .669	2 · *31 2 · *22 2 · •24 2 · •27#	-448.60 -468.00	5.250	-468.00	-3.723	-4.500	1.20
.495 .524 .553 .582 .611 .640 .669 .698	2.831 2.722 2.426 2.278	-468.CC -469.6C	6.22C 5.84C 5.20C	-489.60 -513.00	-3.723 -4.633	-4.500	1.25
.495 .524 .553 .582 .611 .640 .669 .698 .727	2.83: 2.722 2.26 2.274 2.328	-448.60 -468.00 -489.60 -513.00	5.84C 5.84C 5.20C 5.12C	-489.60 -513.00 -537.00	-3.723 -4.633 -5.113	-4.500 -2.361 268	1.25
.495 .524 .553 .582 .611 .640 .669 .698 .727 .756 .785	2.83: 0.782 2.26 2.27 2.123 1.797 2.112	-448.60 -468.00 -489.60 -513.00 -537.00 -560.50	6.220 5.840 5.200 5.120 5.160	-489.60 -513.00 -537.00 -560.50	-3.723 -4.633 -5.113 -4.833	-4.500 -2.361 268 1.807	1.20 1.25 1.30 1.35
.95 .524 .553 .582 .611 .640 .669 .727 .756 .785	2.83: 2.726 2.726 2.278 2.226 1.997 2.128	-448.60 -468.00 -489.60 -513.00 -537.00 -560.50	5.220 5.840 5.200 5.120 5.160	-489.60 -513.00 -537.00 -560.50	-3.723 -4.633 -5.113 -4.833 -3.936	-4.500 -2.361 268 1.807 3.398	1.25 1.35 1.35
.495 .524 .553 .582 .611 .640 .669 .698 .727 .756 .785	2.83: 0.782 2.26 2.27 2.123 1.797 2.112	-448.60 -468.00 -489.60 -513.00	6.220 5.840 5.200 5.120 5.160	-489.60 -513.00 -537.00	-3.723 -4.633 -5.113 -4.833	-4.500 -2.361 268 1.807	1.20 1.25 1.30 1.35

	CISTRIBUT	ION OF CLAREN	AND CHARGE	ON BEVERAGE AT	TENNA OVER FR	ESH MATER	
	ALFALYRET	1289	BETAL/B	ETAC . 1.143	LIZLAN	DAG . 1.000	
EREQUE	.cv - 300,000	-n! PI	E • .067	DILAMBAC	010	RL - 162-0	COHES
		4. 25	ASURED CLEREN	T DISTRIBUTION	IN MALY BET		
	2			IZED DATA			
	HA- D		NONFAL	INFAZ	INPERC	INIMAG	Z/LAMDAD
2,14	14H AG			187.72	INTEAL		.003
121	9.796 9.211 5.996 6.35- 6.35- 7.783 7.433 7.439 7.10- 6.523 5.994	1+0.00 129.60 119.00	5.60C 5.16C 5.0+C	10.00	5-515 5-160 4-947	.972 036 962 .2.583	+025
•.3 * 1	5.996	119.00	5.0.0	40 -11.00 -33.50 -64.00 -75.80	4.947	962	-050 -100
.082	2.332	96.50 76.00 54.20	**680	-54.00	3.903 2.665 1.070		+150
.16.	7.781	54.20	*.36C	-75.80	1.070	-4.227	.200
.205 .246	7.39	33.20 14.10 -5.00	9.98C	-96.80 -115.90 -135.00	-1-808	-4.190 -3.724 -2.814 -1.581 -305	•250 •300 •350
.287	7-104	-5.00	3.980	-135.00	-5-914	-1.581	00
. 369	5.994	-44.8C		-174.80	-3-346	305	• • • • • • • • • • • • • • • • • • • •
**10	5.533	-66.80	3.100	-196.80	-2-968	1.838	+550
92	**994	-111.50	2.800	-154.40 -174.80 -196.80 -219.00 -241.50 -262.40	-1-336	.896 1.838 2.461 2.696	.600 .650
.533	4.455	-1320		-262.50	-1360	2.656	.700
.615	**78*	-152.50 -171.50		-282.50 -3C1.5C -315.4C -337.80	1.400	2.285	.750 .800
·656	******	-189.40 -207.80	2.360	-337.80	2.185	.892	.650
.738	3.7.8	-227.40	2.100	-357.40	5.098	.095	·900
.780 .807		-227.40 -250.40 -268.00	2.580 2.360 2.100 1.900 1.760	-357.40 -38C.40 -398.60	1.070 -1500 -1.808 -2.412 -3.301 -3.346 -2.269 -1.360 -3.89 1.400 1.959 2.185 2.088 1.781 1.387	.095 662 -1.084	.984
		B. MEASU	RED CHARGE CI	STRIBLTION IN	FICCOUL/VOLT-		
	SAA D	ATA	NORMAL	IZEC CATA			
2,+	GRMAG	4.00 -4.30 -14.10 -34.00	GNMAG	GAFAZ	CHREAL	CNIMAG	Z/LAMDAD
. 05	10.210 855 8.103 7.597 743 6.139 5.788 5.529	4.00	26	4.00	26.116 21.619 19.902 16.150	1.826	.006
./21	655	-4.30	21.680	**************************************	21.619	1.626	·025
. 82	7.597	-14-10	19.480	-14.10 -34.00	19.902	-10-893	-100
.123	7. 43	-52-50 -72-50 -93-50	18.000	-52.50	10.994	-14-328	·150
-164	0.139	-72.50 -93.50	15.740	-72.50 -93.50 -115.00	5.118	-16-232 -15-711 -13-450	.250
.2.6	5.788	-115.CO	14.440	-115.CC	-6.272	-13-450	•300 •350
.287	5.382	-137.80 -159.50	13.800	-115.60 -137.80 -165.60	-12.926	-9-536	••00
.369	5.234	-180.20	13.420	-180-20	-13.420	*047 **371	.450
. 451	4.727	-218.50	18.120	-218.5C	-9.485	7 • 5 • 5 9 • 5 8 1	•550 •600
.533	***30	-200.00 -218.50 -237.50 -257.00	11.360	-237.50	-6.10+	10-172	•650 •650
.574	3.422		9.800	-218.50 -237.50 -257.00 -278.50	-0.2/2 -10.519 -12.926 -13.420 -12.009 -9.485 -6.10+ -2.349 1.449 4.588 7.227	9.692	.700
·615	32.	-301.50 -325.40	8.7dC	-301.50 -325.40	4.588	7.486	•750 •800
.697	3.42.	-748.60	8.750	-348.60	8.607	1.735	.850
.738 .780	3.471 3.326 3.474	-368.80 -387.00 -398.80	8.900	-368.8C	8.607 8.795 8.055 7.341	-1-362	•900 •950
-610	3.474	-398.60	20.18C 21.8BC 21.8BC 20.52C 19.4BC 19.7BC 11	-325.40 -348.60 -368.80 -387.00 -398.80	7.3-1	-5-903	.987
	01574180	TION OF CLARES		ON BEVEFAGE A	NTENNA OVER FR	ESH MATER	
	ALFAL/HET	AL1289	BETAL/B	ETAC . 1.143	£12(A)	DAG500	
E850 5	NCY . 100.00	w., 0	F047	C/LAPCAC	016	Ri • 162.0	CAHPS
	0.0.00		451 Et a	C/LAMDAC T CISTRIBLTIAN			
					IN PANE OF		
2/-	HAY D	IRFAZ		IZEC CATA			***
	IMM AG	IHP AZ	\$.1+C \$.90C \$.80C \$.70C \$.66C \$.62C	INP.AZ	5.102 4.886 4.619 3.642 2.230 -739	INIMAG	Z/LAMDAO
•06+ •035	7.556 7.203 7.056 6.909 6.762	127.00 115.60	5.1+C	7.00 -4.40 -15.80 -39.20	5-102	.626 376 -1.307 -2.971	.003
•070 •139	7.056	104.20	* - 8CC	-15.80	4.619	-1-307	.050
·209	6.762	59.00	*.70C	-61.00 -80.80	3.645	-4.023	·100
.278	6.791	39.20	**650	-80.80 -99.30	·739	-4.540	·200 •250
•3•8 ••17 ••87	0.439	3.30 -1*-50	38C •••C2C	-116.7C -134.5C	-1-968	-3.913 -2.867	·300 ·350
.487	5.900	•1••5C	3.600	-134.5C	-2-818		•350
.026	4.763	-32.4C -57.5C	3.2.0	-152.4C -177.5C	-3-19C -3-237	**141 *797	
•673	***10	-75.4C	3.000	-195.40	-5-495	.797	.484
		B. MEASU	PED THEOR 11	STEIR TIEN IN	RICCALL ZUALT-		
	24, 5	474	Acres	STRIBLTION IN			
2/4	CRMAN	GRFAZ	Charle	GNFAZ	GAREAL	SNIPAG	Z/LAMDAO
	*** ***	Ser AZ	SMAG				Z/LAMDAO
.008 .035 .070	10:507 6:118 7:667	-7.70 -16.70	25.66C 20.80C 19.66C 18.2+C	-7.70 -16.70 -35.00	25.660 20.612 16.831 14.941 9.591	-2.787	.025
.179	7.567	-16.70 -35.00	19.660	-16.70	18.831	-5.649	•050 •100
·209	0.334	-53.80	16.240		9.591	-13-105	.150
.348	5.944	-75.00 -98.00	15.2.0	-75.00 -98.00	3.9**	-13.105 -14.721 -13.408	.200
• • 17	5.281	-122.30 -145.80	13.5+0	-122.3C	-7.235	-11.445	-300
.557		-146-00	13.960	-166.CC	-11.43C -13.545	-3-377	• • • • • • • • • • • • • • • • • • • •
.678	5.740	-184.00 -196.00	14.400	-184.CC	-14.365	1.00	**50

	ALFAL/BET	AL0911	BETAL/8	ETAC . 1.052	L1/1 A	CAO . 1.500	
FREQUE	NCY . 300.00		E		• .020		OBHES
		A. ME	ASURED CLEREN	T CISTRIBLTION	IN MAJY BLT		
	HA + D			IZEC DATA			
2,00	IRM AG	IRFAL	INFAG	INFAZ	INGEAL	INIMAG	Z/LAMO
•005	8.604	124.50 113.70	******	* - 5C	4.805	.378 516	.003
. 29	8.190	113.70	*.700	-6.30 -16.60	**672	-1.303	-050
. 58	7.45.	83.90	***00	-36.1C	3.555	-2.592	-100
. 86	7.60.	63.80	4.260	-56.20	2.370	-3-540	-150
.115	7.461	***50	4.180	-75.50	1.047	*****	.500
: 173	7.283 7.104 7.33	25.10 6.50	3.980 3.980	-94.5C	-1.587	-4.065	·250
.201	7.10.	-12.00	3.900	-132.00	-2-636	-2.928	-350
.230	6.454	-30.80		-15C-8C	-3-352	-2.928	.400
. 259	6.435	-49.00	3.700	-169.00	-3-632		.450
.288	6.435	-68-30	3.640	-188.30	-3-602	.525 1.534 2.366	-500
.317	6 - 133	-87.00 -106.90	3.360	-207.CC	-3-018	1.534	•550
.3.5	5.783	-106.90	3.5.0	-226.50	-5.51	2.900	-600 -650
.374	5.441	-126.6C	3.800 3.600 3.200 3.200 3.160 3.000 3.000 2.920	-246.6C -265.8C -285.6C	-2.21		•700
32	5.291	-145.60 -165.60	3.000	-285.6C	.812	3.072	.750
.460	5.355		3.000		1.656	2.502	.800
. +89	5.212	-183.50 -201.50 -219.70 -238.60	5.950	-321.5C	2.285	1.818	-850
.518	4.962	-219.7C	2.780	-335.7C	2.407	.964 .065	•900 •950
.547	•• 712	-538.60	2.6.0	-358.60 -378.00 -397.30 -419.20 -438.00	- 226 - 812 1 - 656 2 - 285 2 - 607 2 - 639	785	1.000
.000		-258.00 -277.30	2.5.C 2.4CC 2.36C	-3/6.00	2.416 1.909 1.219	-1.454	1.050
.633	****	-299.20	2.300	-419-20	1.219	-2.044	1.100
.662	**135	-318.00	2.300	-+38.CC	+478	-2.250	1-150
.691	******	-337.50	2.360	-457.5C		-2.340	1.500
.719		-356.00		-476.CC		-2-103	1.250
.748	3.963	-373.CC -390.CC	2.300	-493.CC	-1.569	-1-682	1.300
. 806	1.7.2	-407.50	2.100	-527.EC	-2-050	455	1+400
	3.534	-+26.50	2.22C 2.10C 1.98C	-546.5C	-1 -947	.224	1.450
.054	3.26.	0.40	1-8-0	-560.80	-1-720	.653	1 - 484
			RED CHARGE CI	STRIBLTION IN	PICCOUL/VOLT-	•	
	RAP L	ATA	NORMAL	IZEC CATA			
2,-	SAMAG		GNEAG		CAPEAL	SKIPAG	Z/LAMDA
.003	9.788	-2.00		GNFAZ		258	•006
.003	9.988	-2.00	23.500	GNFAZ		820	•006
.003 .014 .029	9.488 7.743 7.089	-2.00	23.50C 18.22C	GNFAZ	23.486 17.954 15.752	820 -3-101 -5-485	•00¢ •025
.003 .014 .029 .058	9,988 7,743 7,089 6,740	-2.00 -9.80 -19.20 -37.70 -56.50	23.50C 18.22C 16.68C 15.86C	-2.CC -5.8C -15.2C -37.7C	23.486 17.954 15.752	820 -3-101 -5-485	•005 •055 •100
.003 .014 .029 .058 .086	9.988 7.743 7.089 6.740 6.443 6.230	-2.00 -9.80 -19.20 -37.70 -56.50 -75.40	23.50C 18.22C 16.68C 15.86C	-2.CC -5.8C -15.2C -37.7C	23.486 17.95+ 15.752 12.549 8.279	820 -3-101 -5-485 -9-699 -12-700 -14-322	.006 .025 .050 .100
.003 .014 .029 .058 .086	9,988 7,743 7,089 6,740 6,443 9,230 5,333	-2.00 -9.80 -19.20 -37.70 -56.50 -75.40	23.50C 18.22C 16.68C 15.86C	-2.CC -5.8C -15.2C -37.7C	23.486 17.95+ 15.752 12.549 8.279	820 -3-101 -5-485 -9-699 -12-700 -14-322	.004 .025 .050 .100 .150 .200
.003 .014 .029 .058 .086 .115	9,988 7.743 7.089 6.740 6.443 6.230 5.393 5.746	-2.00 -9.80 -19.20 -37.70 -56.50 -75.40 -94.20	23.50C 18.22C 16.68C 15.86C	-2.CC -5.80 -15.2C -37.7C	23.486 17.95+ 15.752 12.549 8.279	820 -3-101 -5-485 -9-699 -12-700 -14-322	-006 -025 -050 -100 -150 -200 -250
.003 .01* .029 .058 .086 .115 .173 .701	9,988 7.743 7.089 6.740 6.443 6.230 5.393 5.746	-2.00 -9.80 -19.20 -37.70 -56.50 -75.40 -94.20 -112.60	23.50C 18.22C 16.68C 15.86C	-2.CC -5.80 -15.2C -37.7C	23.486 17.95+ 15.752 12.549 8.279	820 -3-101 -5-485 -9-699 -12-700 -14-322	-004 -025 -050 -100 -150 -200 -250 -350
.003 .014 .029 .058 .086 .115 .173 .701 .230	9,988 7,743 7,089 6,740 6,443 6,290 5,993 5,746 5,669 5,679	-2.00 -9.80 -19.20 -37.70 -56.50 -75.40 -94.20 -112.60	23.50C 18.22C 16.68C 15.86C	-2.CC -5.80 -15.2C -37.7C	23.486 17.95+ 15.752 12.549 8.279	820 -3-101 -5-485 -9-699 -12-700 -14-322	• 004 • 025 • 100 • 150 • 250 • 350 • 450
.003 .014 .029 .058 .086 .115 .173 .701 .230	9,988 7,743 7,089 6,740 6,443 6,290 5,993 5,746 5,669 5,679	-2.00 -9.80 -19.20 -37.70 -56.50 -75.40 -94.20 -112.60	23.50C 18.22C 16.68C 15.86C	-2.CC -5.80 -15.2C -37.7C	23.486 17.95+ 15.752 12.549 8.279	820 -3-101 -5-485 -9-699 -12-700 -14-322	•005 •055 •100
.003 .014 .029 .058 .086 .115 .144 .173 .701 .230 .259 .288	9,488 7.743 7.089 6.740 6.443 0.230 5.993 5.746 5.669 5.575 5.394 5.142 5.91	-2.cc -9.ac -19.ac -37.7c -56.sc -75.4c -9.ac -112.ec -132.cc -152.cc -171.4c -190.4c	23.50C 18.22C 16.68C 15.86C	-2.CC -5.80 -15.2C -37.7C	23.486 17.95+ 15.752 12.549 8.279	820 -3-101 -5-485 -9-699 -12-700 -14-322	- 004 - 025 - 050 - 100 - 150 - 200 - 250 - 350 - 450 - 550
.003 .014 .029 .058 .086 .115 .144 .173 .701 .230 .259 .288 .317	9,488 7.743 7.089 6.740 6.443 0.230 5.993 5.746 5.669 5.575 5.394 5.142 5.91	-2.00 -9.80 -19.20 -37.70 -56.50 -75.40 -9.20 -112.60 -132.00 -152.00 -171.40 -29.00	23.50C 18.22C 16.68C 15.86C	-2.CC -5.80 -15.2C -37.7C	23.486 17.95+ 15.752 12.549 8.279	820 -3-101 -5-485 -9-699 -12-700 -14-322	- 008 - 028 - 050 - 150 - 200 - 250 - 350 - 450 - 550 - 550 - 550
.003 .014 .029 .058 .086 .115 .173 .701 .230 .259 .288 .317 .345	9,488 7,743 7,089 6,740 6,443 9,230 5,746 5,669 5,574 6,392 5,142 5,091 4,972 4,743	-2.cc -9.ac -19.ac -37.7c -56.sc -75.4c -9.ac -12.ec -132.cc -152.cc -171.4c -190.4c -209.cc -27.ac	23.50C 18.22C 16.68C 15.86C	-2.CC -5.80 -15.2C -37.7C	23.486 17.95+ 15.752 12.549 8.279	820 -3-101 -5-485 -9-699 -12-700 -14-322	- 004 - 025 - 055 - 100 - 156 - 200 - 255 - 300 - 356 - 500 - 556 - 600 - 656
.003 .014 .129 .58 .186 .115 .173 .201 .259 .288 .317 .345 .375 .375	9,988 7-7-9 7-089 6-7-0 6-7-0 5-799 5-796 5-669 5-576 8-398 5-142 5-091 4-972 4-7-9	-2.cc -9.ac -19.ac -37.7c -56.sc -75.4c -9.ac -12.ec -132.cc -152.cc -171.4c -190.4c -209.cc -27.ac	23.50C 18.22C 16.68C 15.86C	-2.CC -5.80 -15.2C -37.7C	23.486 17.95+ 15.752 12.549 8.279	820 -3-101 -5-485 -9-699 -12-700 -14-322	- 004 - 025 - 050 - 105 - 200 - 255 - 300 - 355 - 400 - 455 - 500 - 655 - 600
.003 .014 .029 .058 .086 .0701 .230 .259 .258 .317 .345 .403 .436 .436	9, 448 7, 749 7, 189 6, 740 6, 740 6, 739 5, 739 5, 739 6, 175 6, 199 1, 174 9,	-2.cc -9.ac -19.ac -37.7c -56.sc -75.4c -9.ac -12.ec -132.cc -152.cc -171.4c -190.4c -209.cc -27.ac	23.50C 18.22C 16.68C 15.86C	-2.CC -5.80 -15.2C -37.7C	23.486 17.95+ 15.752 12.549 8.279	820 -3-101 -5-485 -9-699 -12-700 -14-322	- QQ4 - Q25 - Q5(- - 10) - 15(- - 20) - 25(- - 30) - 35(- - 45(- - - 55) - 60(- - 65(- - 77) - 75(- - 77)
.003 .014 .029 .056 .115 .173 .701 .2359 .287 .315 .374 .375 .469	9, 4gs 7, 743 7, 126 6, 740 6, 443 0, 230 0, 139 0, 139 0, 149 0,	-2.CC -9.80 -19.20 -37.70 -56.50 -75.40 -12.40 -132.60 -151.40 -27.70 -27.70 -24.60 -27.70 -2	23.50C 18.22C 16.68C 15.86C	-2.CC -5.80 -15.2C -37.7C	23.486 17.95* 15.752 12.549 8.279 3.731 -1.033 -5.196 -8.926 -11.584 -12.557 -11.901 -0.478 -4.61C -1.056 5.387 7.784	820 -3-101 -5-485 -9-699 -12-700 -14-322	- QQ4 - Q25 - Q55 - 107 - 155 - 200 - 255 - 300 - 356 - 450 - 456 - 550 - 656 - 700 - 756 - 850 - 856 - 856
.003 .014 .129 .586 .115 .146 .173 .259 .288 .317 .345 .374 .403 .403 .403 .403 .403 .403 .403 .40	9.488 7.743 7.189 6.740 6.443 9.421 5.939 5.746 5.669 5.756 6.334 5.167 6.397 6.197 6.197 6.197 6.197 6.197 6.197 6.197 6.197 6.197 6.197 6.197 6.197 6.197	-2.CG -9.8G -19.2C -17.7C -56.5C -75.4C -12.4CC -152.4CC -171.4C -20.4CC -20.4CC -20.4CC -21.4	23.50C 18.22C 16.68C 15.86C	-2.CC -5.80 -15.2C -37.7C	23.486 17.952 12.559 3.733 -5.196 -8.929 -11.559 -11.559 -11.559 -11.559 -1.559	820 -3-101 -5-859 -12-702 -11-062 -12-884 -6-159 -1-199	- 004 - 021 - 051 - 101 - 251 - 301 - 451 - 501 - 551 - 601 - 651 - 701 - 751 - 851 - 851
.003 .014 .129 .158 .158 .115 .201 .259 .285 .259 .285 .317 .345 .377 .403 .432 .489 .587	9.488 7.743 7.85 6.740 6.443 9.773 9.773 9.773 6.574 6.394 8.147 9.774 4.773 4	-2-CG -9-80 -19-20 -37-70 -56-50 -75-4-C -112-6-CG -122-6-C -190-4-C -27-7-7 -24-5-6-C -27-7-7 -24-5-6-C -23-5-6-C -33-5-6-C -33-5-6-C -33-5-6-C -33-5-6-C	23.50C 18.22C 16.68C 15.86C	-2.CC -5.80 -15.2C -37.7C	23.486 17.952 12.559 3.733 -5.196 -8.929 -11.559 -11.559 -11.559 -11.559 -1.559		- 004 - 025 - 055 - 106 - 156 - 255 - 306 - 356 - 506 - 556 - 707 - 856 - 866 - 876 - 876 - 876 - 876 - 976 - 976 - 976 - 976
.003 .014 .028 .058 .086 .114 .173 .203 .288 .317 .345 .460 .489 .480 .480 .480 .480 .480 .480 .480 .480	9.488 7.743 7.189 6.740 6.470 6.443 9.421 5.939 5.746 5.669 5.437 5.137 6.137 6.147	-2-CC -9-80 -19-20 -37-5-50 -59-50 -99-20 -132-CC -171-4-0 -29-00 -29-00 -29-00 -29-00 -29-00 -29-00 -29-00 -29-00 -29-00 -30 -30 -30 -30 -30 -30 -30 -30 -30	23.50C 18.22C 16.86C 15.86C 15.86C 15.10C 14.10C 12.52C 12.52C 12.70C 11	-2.CC -5.80 -15.2C -37.7C	23.486 17.952 12.559 3.731 -5.196 -8.926 -11.557 -11.557 -		-000 -021 -01 -101 -101 -201 -251 -301 -351 -451 -501 -555 -600 -655 -700 -855 -800 -855 -800 -855 -800 -855 -800 -855 -800 -800
-003 -014 -029 -036 -115 -031 -231 -231 -231 -231 -231 -231 -345 -431 -431 -431 -431 -431 -431 -431 -431	9.488 7.743 7.866 6.746 6.443 6.476 6.476 6.476 6.497	-2-CG -9-80 -19-20 -37-70 -56-50 -75-4-C -112-6-CG -122-6-CG -121-6-CG -27-7-C -26-6-CG -27-7-C -26-6-CG -27-7-C -26-6-CG -27-7-C -26-6-CG -27-7-C -26-6-CG -27-7-C -26-6-CG -27-7-C -26-6-CG -27-7-C -26-6-CG -27-7-CG -27	23.500 18.220 18.860 15.860 15.860 13.850 13.500 13	CAFAZ -\$-CC -\$-\$-EC -\$7.8C -\$7.7C -\$6.5C -\$7.7C -\$6.5C -\$112.6C -\$112.6C -\$122.6C -\$7.4C -\$7	23.486 17.952 12.559 3.731 -5.196 -8.926 -11.557 -11.557 -		-000 -021 -051 -101 -101 -201 -201 -201 -301 -301 -401 -555 -500 -555 -605 -605 -707 -707 -707 -707 -707 -707 -707 -7
.003 .014 .025 .058 .086 .117 .231 .258 .2317 .258 .258 .258 .258 .258 .258 .258 .258	9. Vam 7. Vad 7. Vad 7. Vad 6. Vad 6. Vad 6. Vad 9.	-2 cc -9.80	29.500 18.220 18.220 19.800 19.800 19.800 19.800 19.800 19.800 19.100 11.700 11.700 11.820 10.820 10.820 9.900 9.9100 8.990	-2.CC -5.80 -15.20 -17.75 -15.20 -17.75 -112.60 -112.60 -122.70 -122.60 -227.2	23.486 17.959 15.752 8.279 8.279 -5.196 -8.926 -12.569		-000 -021 -010 -010 -010 -010 -010 -010
003 014 015 015 015 015 015 015 015 015 015 015	9.1948 7.743 7.743 7.745 6.774 6.473 9.270 5.739 5.749 6.474 6.394 8.142 9.191 8.142 9.191 8.142 9.191 8.142 9.191 8.142 9.191 8.142 9.191 8.142 9.191 8.143 9.191 8.143 9.191 8.143 9.191	-2-CC -9-800 -9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-	23.55C 18.22C 18.22C 18.86C 15.86C 17.85C 17.55C 13.54C	-2-CC -5-R0 -15-R0 -17-7-C -16-5-C -75-4-C -75-4-C -13-R-C -13	23.486 17.959 15.752 8.279 8.279 3.733 -1.033 -1.0567 -1.1587 -1.1587 -1.4616 2		- 004 - 021 - 051 - 100 - 151 - 200 - 255 - 300 - 451 - 551 - 451 - 551 - 451 - 551 - 451 - 551 - 551
003 014 0258 058 058 0158 0158 0158 0158 0158 0158	9. Vax 7. Vas 7. Vas 7. Vas 6. Vas 6. Vas 6. Vas 9.	-9-05 -9-05 -9-05 -9-05 -75-40 -9-25 -	23.500 18.220 18.220 18.220 18.220 18.220 18.220 18.220 19	-2-CC -5-80 -15-2C -17-75 -16-2C -17-75 -18-2C -112-2C -112-2C -112-2C -122-2C -122-2C -122-2C -123-2C	23.486 17.959 15.752 8.279 8.279 3.731 -1.033 -5.196 -8.926 -1.05		- 004 - 021 - 051 - 100 - 151 - 200 - 255 - 255 - 400 - 451 - 551 - 551
-003 -014 -1258 -1858 -1856 -1158 -1258 -2859 -2	9.1/44 7.743 7.743 7.745 6.774	-2-CC -9-8-CC -9-8-CC -9-8-CC -9-8-CC -9-8-CC -9-8-CC -9-8-CC -132-CC -9-8-CC -132-CC -27-7-CC	23.500 18.280 18.880 15.880 15.880 15.800 19.800 12.700 13.900 14.900	-2-CC -5-80 -15-2C -17-75 -16-2C -17-75 -18-2C -112-2C -112-2C -112-2C -122-2C -122-2C -122-2C -123-2C	23.486 17.959 15.752 8.279 3.731 -1.038 -1.1587 -1.1587 -1.1587 -1.1587 -1.258		- 004 - 021 - 051 - 107 - 107 - 107 - 207 - 251 - 407 - 451 - 551 - 451 - 551 - 451 - 551 - 551
.009 .019 .019 .029 .080 .080 .080 .080 .080 .080 .080 .08	9-1948 7-7-93 7-7-93 7-7-96 6-7-7-0 6-4-93 9-23/9 9	-2-CG -9-9-CG -9-9-2-CG -9-9-2-CG -9-9-2-CG -9-2-CG -9	23.500 18.280 18.880 15.880 15.880 15.800 19.800 12.700 13.900 14.900	-2-CC -5-80 -15-25 C -15-25 C -15-25 C -15-25 C -112-45 C -112-45 C -112-45 C -112-45 C -121-45	23.484 15.752 6.752 6.273 6.273 -5.196 -5.196 -11.584 -11.584 -12.551		- 004 - 024 - 055 - 107 - 107 - 207 - 255 - 300 - 355 - 407 - 407
003 014 129 158 186 115 173 201 259 288 287 403 403 403 403 403 403 403 403 403 403	9-1948 7-7-9 7-196 6-7-0 6-47-3 9-73-9 5-74-6 5-74-6 6-73-9 6-73-9 6-73-9 6-73-9 1-73-9 1-73-9 1-73-9 3-73-	-2-CC -9-8-CC -9-8-CC -9-8-CC -9-8-CC -9-8-CC -9-8-CC -9-8-CC -132-CC -9-8-CC -132-CC -27-7-CC	23 5 5 C 18 8 5 C 15 8 6 C 15 8 6 C 15 8 C 15 18 C 15 18 C 15 18 C 15 18 C 15 18 C 16 18 C 17 18 C 17 18 C 18 18 C	-2-CG -5-850 -17-75 -17	21.484 15.752 15.752 2 .7533 -5.196 -1.0333 -5.196 -1.2587 -1.		- QQQ - QQQ

	DISTRIE	TION OF CURRE	T AND CHARGE	ON BEVERAGE	ATENNA OVER F	RESP MATER	
		AL0911	BETAL/	BETAC . 1.052	L1/1 A	PDAG . 1.000	
FREGLE	NCY . 300.00	rez i	PE	CZLAPCAC	cźć	RL . 193.	OCOHPS
				T CISTRIBLTION			
	RA- D	DATA	INPAG	LIZEC CATA			
2/**	IRM AG	IRFAZ	INFAG	INFAZ	INFEAL	INIPAG	Z/LAMDA
•0.05	5.491 7.900	1.6.00	****	1C • CC ••70 •11 • CC •31 • 5C	4-804	.847 055	.003
020	7.900	129.30	4.540	70	**5*0	-055 859 -2.236 -3.295 -3.933 -1.120 -3.903	·025
* 0 * 0 * 0 * 1	7.430	98.50	*****	-31.5c	3-649	-2.236	-100
151.	7.278	59.00	**5*0	-51.CC	2.668	-3.295	·150
.505	7.447 7.378 7.638 7.169 7.169 0.995 6.612	39.20	4.120	-9C -8C	058	***120	·250 •300
.283	0.995	3.00	**150	-1CE.7C	-1-321	-3.903	+350
.323	6.012	-1*-5C	3.800	-144.50	-3-094	-2.207	••00
.404	5.986 5.034 5.498 5.498	-53.00	3.440	-183.00	-3-435	-1.053 -180	-500
	5.634	-72.90	3.240	-202.50	-5-965	1.261	-550
.525	5 159	-113.50	3.080	-144.50 -163.00 -183.00 -262.90 -284.00 -243.50	-1-374	2.195	-650
.566	5.463	-133.00	3.140	-263.00	383	3.117	•700
.646		-169.00	3.100	-299.00	1.503	3.150	.800
.727	5.880	-165.00	3.000	-315.8C	2-151	2.091	·850 ·900
.768 .795	******	-555.40	5.000	-299.CC -315.8C -333.4C -352.40 -367.1C	2.656	•354	.950
•/25	** 150	-23/-10	1 h + 40	-3e7.1C	2.481	309	.984
		B. MEAS	PED CHARGE C	ISTRIBLTION IN	PICCOLL/VOLT-		
	RAN D	ATA	NORMAL	IZEC CATA	IMBEAL		
2,-	ARMAG	GRFAZ	GNPAG	GNFAZ	CAREAL	CAIMAG	Z/LAMDAQ
•1105	7.736 7.577 7. 73 6.653 6.325	-4.60	23.180 18.040 16.840 15.880 15.000 14.580 13.980 12.990 12.990 12.540	-4.60	23.105	-1.859 -3.751 -6.035	-006
.050	7.577	-12.00	18-6+0	-12.00 -12.00	17.646	-3.751	·025
• 081	0.053	-39.50	15.840		23.105 17.646 15.721 12.223 8.114 3.379 -1.461 -5.813 -9.323 -11.517 -12.387 -11.753 -10.171 -7.420 -4.076 -5.63 2.862	-10-075	•100
.162	0.324	-57.40	15.060	-57.40 -76.60 -96.00	8.114	-10.075 -12.687 -14.183	·150 ·200
.202	5.12.	-96.00	13.900	-96.00	-1.461	-13-903	.250
-243	5.569	-116.00	13.260	-116.CC	-5.813	-11.918 -8.863	·300
.323	5.267	-156.70	12.5.0	-136.60 -156.70	-11.517	-4.960	.400
	5.099	-156.70 -175.40 -194.50 -212.50 -230.40	12.140	-175.80 -194.50	-12.387	3.040	• • • • • • • • • • • • • • • • • • •
	5.065	-212.50	12.000	-212.50	-10-171	6.480	•550 •600
.525	**575 **519	-248.00 -267.00	10.850	-248.00	-4.076		.650
•566 •606	******		10.760	-267.CC	563	9.247	•700 •750
-645		-308.00 -329.50	9.560	-3C8.CC	2.862 5.886 8.237	7.533	.800
.727	**615	-349.70	9.560	-329.5C	9.406	1.709	·850 ·900
.768 .797		-349.70 -368.80 -381.40	15. dec 14.55c 1	-368.80 -381.40	9.406 9.922 10.353	-1-536	·950
	LISTRIAL	TION OF CURREN	T ATC CHARGE	ON BEVERAGE A			
		AL0911		ETAC . 1.052			
FREGLE	NCY • 3nd •03			CALAMDAC			COHPS
	PAN D			T CISTRIBLTION	IN PAPE BLT		
2/4	INM AG			IZEC CATA	INFEAL	INIPAG	Z/LAMDAC
•ng•	0.306 7.983 7.304 7.590 7.375	126.60		11.60	4.445	.011	•003
. 34	7.983	124.90	*.6*C *.36C *.2*C	-1C-7C	***** ***** 3.596	008 810 -2.247	.025
.: 36	7.595	93.00	**300	-32 · CC	3.596	-2.247	-050 -100
.203 .271 .339		73.10	**120	-51.9c -71.8c	2.542	-3.242	·150 ·200 ·250
.339	7.518	34.20	**550	-9C - 8C	059	-4.220	.200
••07	7.196	17.00	**18C	-108.00	-1 -592	-3.975	•300 •350
.5+2 .610	6.502	-17.60	**************************************	-125.CC -142.6C	-2.306 -3.019 -3.443	-2.308	-400 -450
.656	6.48)	114-3C 93-CC 73-10 53-2C 34-2C 17-0C -17-6C -37-CC -51-2C	3.620	-162.00 -176.20	-3-353	-1-119	-450
				CT0101 T101 1:	D100011 440'-		
	844.0	474	MED CHANGE CI	STRIBUTION IN	-10000174011-		
2,=	JH*AG	GREAZ	GYPAG	GNFAZ	CHREAL	CHIPAG	Z/LAMDAO
	9.7.5 7.7.9 7.242 6.138				23.368	-1.225	.006
. 34	7.709	-10.40	23.40C 18.14C 17.04C	-10.40	17.842	-3-275	.025
.136	6.474	-37.20	16.020	-15.2C -37.20	16.092 12.760 6.734	-9.686	.100
.203	0.102	-73.20	14.5JC	-73.20	4.191	-12-022	.150
• 339	5.568	-93.30 -114.40	13.340	-93.3C	- 768	-13-310	.250
	5.515	-136.00 -156.70	12.986	-136.CC -156.7C	-9.337	-11.930 -9.017 -5.13	• 350
·542	5.516		12.980	-156.70 -175.80 -188.60	-11.921	-5-13-	••00
•660	664	-188.60	13.830	-188.60	-13.763	2.276	.487

			NT AND CHARGE	DE REAL PAGE -	TENNE DIE		
	ALFAL/HET	0460		ETAC . 1.018		DAD . 1.500	
FREGLE	·C* • 305.00		PE067		050		9445
		A. M	EASURED CLAREN	T CISTRIBLTION	IN MAZY BLT		
	RA- D	ATA	NORMAL	IZEC DATA			
2,4	IRM AG	IPFAZ	INFAG	INFAZ	INFEAL	INIMAG	Z/LAMDAG
• 002	7.392	128.10	3.8 · C 3.7 · C	10.10	3.240	·673	.003
. 29	7.200	104.50	3.650	-13.50	3.578		.050
. ,57	6.969	84.50	3.620	-33.50	3.019	-1-998	-100
.086	5.492	600	3.580	-54.CC	2-10-	-2.896	.150
·115	0.909	27.30	3.620	-9C-7C	044	-3-620	.250
.172	0.092	9.80	3.580	-108.20	-1-116	-3-401	-300
.201	0.015	-8.00	3.500	-126.00	-2-081	-2.864	·350
.258	6.506	-25.00	3.480	-143.00 -161.40	-3-203	-1-078	.450
	0.706	-62.50	3.365	-180.50	-3-360	.029	•500
.315	6.160	-81.80	3.200	-195.8C	-3-011	1.084	·550
.344	6.044	-101.00	3.1.C 3.16C	-219.00	-2-440	2.680	-650
.372	6.063	-120.00	3.550	-256.00	779	3.124	.700
01 30	9.006	-155.80 -172.50	3.120	-256.CC -273.80	•207	3.113	.750
	6. 36	-172.50	3.150	-290.50	1.093	5.922	.850
••87 •516	5.590	-189.70 -207.50	3.060	-307.70 -325.50	2.439	2.421	-900
.544	5.467	-226.20	2.8.0	-344.20	2.733	.773	.950
.573	5.313	-245.50	2.760	-363.50	2.755	168	1.000
.602	5.236	-265.00 -285.50	2.720	-383.CC	2.500	-1.063	1.050
.630 .659	5.352	-303.30	2.760	-421.30	1.325	,2.421	1.150
.687	5.506	-321.00	2.860	-435.00	+546	-2-807	1.200
.716	5.621	-337.00	5.920	-455.00	25+	-2.909	1.250
.745	5.467	-354.90 -371.30	2.840	-472.90 -489.30	-1-105	-2.616	1.300
•773 •802	5.27.	-389.20	2.740	-507.20	-1.735	-1-430	1.400
.831	4.967	-+08.30	2.580	-526.30	-2-507	611	1.450
.85c	***97	-423.60	2.4.0	-5-1-60	-2-439	•068	1.484
		8. "EAS	UPED CHARGE CI	STRIBLTION IN	PICCOLL/VOLT-		
	94.0	ATA	MORPAL	IZEC CATA			
2,4	GR"AG						
	un An		GNFAG	GNFAZ			Z/LAMDAO
.003	9.482	-2.00	21.700	-2.00	21.487	757	•006
	9.482 7.332	-2.CC -8.7C	21.70C 15.94C	-2.00 -2.70	21.687	757	•006 •025
• 614	9.482	-2.00	21.700 15.940 14.100	-2.00 -8.70 -17.40 -35.20	21.687 15.757	757 -2-411 -4-216 -7-505	-006 -025 -050 -100
•01• •029 •057	9.482 7.332 6.486 5.989	-2.00 -8.70 -17.40 -35.20 -53.50	21.700 15.940 14.100 13.020	-2.00 -8.70 -17.40 -35.20 -53.50	21.687 15.757 13.655 10.639 7.352	757 -2-411 -4-216 -7-505 -9-936	+006 +025 +050 +100 +150
.014 .029 .057 .086 .115	9.482 7.332 6.486 5.989 5.086	-2.50 -8.70 -17.40 -35.20 -53.50 -72.00	21.70C 15.9*C 14.10C 13.02C 12.36C 12.16C	-2.00 -8.70 -17.40 -35.20 -53.50	21.687 15.757 13.455 10.639 7.352 3.758	757 -2-411 -4-216 -7-505 -9-936 -11-565	.006 .025 .050 .100 .150
.014 .029 .057 .086 .115	9.482 7.332 6.486 5.989 5.986 5.994 5.391	-2.00 -8.70 -17.40 -35.20 -53.60 -72.00 -90.50	21.70C 15.9+C 14.1UC 13.02C 12.36C 12.16C	-2.00 -2.70 -17.40 -35.20 -53.50 -72.00	21.687 15.757 13.455 10.639 7.352 3.758	757 -2-411 -4-216 -7-505 -9-936 -11-565	.006 .025 .050 .100 .150 .200
.014 .029 .057 .086 .115 .143	9.482 7.332 6.486 5.989 5.986 5.494	-2.50 -8.70 -17.40 -35.20 -53.50 -72.00 -90.50	21.70C 15.9+C 14.10C 13.02C 12.36C 12.16C 11.72C	-2.00 -8.70 -17.40 -35.20 -53.50	21.687 15.757 13.455 10.639 7.352 3.758 102 -3.805 -7.175	757 -2-411 216 -7-505 -9-936 -11-565 -11-720 -10-747	.006 .025 .050 .100 .150 .200 .250
.01* .029 .057 .086 .115 .172 .201 .229	9.482 7.332 6.486 5.989 5.086 5.794 5.391 5.244 5.495 5.373	-2.CC -8.7C -17.4C -35.2G -53.5G -72.6C -90.5G -109.5G -128.6G -147.2C	21.700 15.9+0 14.100 13.020 12.360 12.160 11.720 11.400 11.680	-2.00 -2.70 -17.40 -35.20 -53.50 -72.00 -90.50 -105.50 -128.60 -147.20	21.687 15.757 13.455 10.639 7.352 3.758 102 -3.805 -7.175 -9.818	757 -2-411 -4-216 -7-505 -9-936 -11-565 -11-720 -10-746 -8-987	.006 .025 .050 .100 .150 .200 .250 .350
.014 .029 .057 .086 .115 .172 .201 .201 .229 .258	9.462 7.332 6.86 5.969 5.966 5.49 5.391 5.244 5.690 5.373 5.297	-2.CC -8.7C -17.*C -35.2C -53.4C -72.0C -90.5C -109.5C -128.6C -147.2C	21.700 15.940 14.100 13.020 12.360 12.160 11.720 11.400 11.500 11.500	-2.00 -8.70 -17-40 -35-20 -53-50 -72-50 -105-60 -128-60 -147-20	21.687 15.757 13.855 10.639 7.352 3.758 102 -3.805 -7.175 -9.818	757 -2-411 -4-216 -7-505 -9-936 -11-565 -11-720 -1-747 -8-987 -6-327 -2-938	.006 .025 .050 .150 .250 .250 .350 .450
.014 .029 .057 .086 .115 .172 .201 .229 .258	9.482 7.332 6.886 5.989 5.086 5.794 5.391 5.244 5.690 5.373 5.292	-2.00 -8.70 -17.40 -35.20 -53.50 -72.00 -90.50 -124.60 -147.20 -165.20	21.70C 15.94C 14.10C 13.02C 12.36C 12.16C 11.72C 11.40C 11.50C 11.50C 11.50C	-2.00 -8.70 -17.40 -35.20 -53.50 -72.00 -90.50 -105.50 -128.60 -147.20 -165.20 -183.20	21.687 15.757 13.455 10.639 7.352 3.758 -:102 -3.805 -7.175 -9.818 -11.122	757 -2-411 -4-216 -7-505 -9-936 -11-565 -11-720 -1c-746 -8-987 -6-327 -2-938	.006 .025 .050 .100 .150 .200 .250 .350
.014 .029 .057 .086 .115 .172 .201 .201 .229 .258	9.462 7.332 6.86 5.969 5.966 5.49 5.391 5.244 5.690 5.373 5.297	-2.00 -8.70 -17.40 -35.20 -53.50 -72.00 -90.50 -128.60 -147.20 -165.20 -200.60	21-70C 15-9+C 13-02C 13-02C 12-36C 12-16C 11-72C 11-58C 11-58C 11-58C 11-2+C 11-18C	-2.00 -2.72.60 -35.20 -53.50 -72.00 -105.50 -125.60 -147.20 -147.20 -145.20 -205.60 -218.00	21.687 15.757 13.455 10.639 7.352 3.758 -102 -3.805 -7.175 -9.818 -11.222 -10.465 -8.637	757 -2-411 216 -7-505 -9-936 -11-565 -11-720 -10-746 -8-987 -2-938 -6-73 -6-748	-006 -025 -050 -150 -250 -350 -350 -450 -550
.014 .029 .057 .086 .115 .172 .201 .229 .258 .286 .315 .344 .372	9.462 7.332 6.466 5.969 5.086 5.794 5.391 5.294 5.373 5.275 5.173 5.174	-2.00 -8.70 -17.40 -33.20 -53.50 -72.00 -90.50 -109.50 -128.60 -163.20 -163.20 -206.60 -218.00	21-70C 15-9+C 14-1UC 13-02C 12-36C 11-72C 11-50C 11-50C 11-50C 11-50C 11-18C 11-18C 11-18C 11-18C	-2.00 -2.70 -2.72.60 -35.20 -72.60 -90.50 -105.50 -128.60 -147.20 -165.20 -183.20 -200.60 -218.00	21.687 15.757 13.455 10.639 7.352 3.758 102 -3.865 -7.175 -9.818 -11.118 -11.222 -10.465 -8.637 -5.883	757 -2-411 216 -7-505 -9-936 -11-565 -11-720 -10-746 -6-987 -2-938 -627 -2-938 -627 -6-748 -6-748	.006 .025 .050 .100 .250 .250 .350 .450 .550 .550 .600
	9.462 7.332 6.466 5.989 5.066 5.391 5.244 5.690 5.373 5.295 5.177 5.143 5.295 4.738	-2.CC -8.7C -17.*CC -35.2C -53.2C -72.0C -90.5C -128.6C -147.2C -165.2C -200.6C -218.4C -236.0C	21-70C 15-9+C 14-1UC 13-02C 12-36C 11-72C 11-50C 11-50C 11-50C 11-50C 11-18C 11-18C 11-18C 11-18C	-2.00 -8.70 -17.46 -35.20 -53.50 -72.00 -105.50 -128.60 -147.20 -165.20 -183.20 -206.60 -218.00 -236.00	21.687 15.757 13.455 10.639 7.352 3.758 102 -3.805 -7.175 -9.818 -11.122 -10.465 -8.637 -5.883 -2.701	757 -2-411 216 -7-505 -9-936 -11-565 -11-720 -10-746 -8-987 -2-938 -6-73 -7-48 -6-748 -7-748 -7-748	.006 .025 .050 .100 .250 .250 .350 .450 .550 .550 .600
.014 .029 .057 .086 .115 .172 .201 .229 .258 .286 .315 .344 .372	9.462 7.332 6.466 5.969 5.086 5.794 5.391 5.294 5.373 5.275 5.173 5.174	-2.00 -8.70 -17.40 -33.20 -53.50 -72.00 -90.50 -109.50 -128.60 -163.20 -163.20 -206.60 -218.00	21.70C 15.94C 13.02C 12.36C 12.16C 11.72C 11.50C	-2 + OC -8 + 70 -17 + 40 -13 + 20 -53 + 50 -72 + 00 -105 + 50 -105 + 60 -147 + 20 -147 + 20 -20 + 60 -218 + 00 -218 + 00 -218 + 00 -254 + 80 -274 + 20	21.687 15.757 13.455 10.639 7.352 3.758 102 -3.865 -7.175 -9.818 -11.118 -11.222 -10.465 -8.637 -5.883	757 -2-411 -4-216 -7-505 -9-936 -11-565 -11-720 -10-746 -8-987 -8-987 -8-987 -8-987 -8-987 -8-988 -8-721 -9-940 -9-853 -8-94	.006 .025 .050 .100 .200 .250 .300 .350 .400 .450 .550 .600 .650 .770 .750
- 14 - 129 - 157 - 1086 - 114 - 172 - 201 - 229 - 258 - 286 - 374 - 401 - 430 - 487	9.482 7.332 6.886 9.789 9.789 5.391 5.244 5.295 5.275 5.275 5.126 6.426	-2.00 -8.70 -170 -35.20 -53.60 -72.00 -96.50 -109.50 -128.60 -147.20 -165.20 -165.20 -165.20 -20.60 -218.00 -218.00 -25.80 -27.20 -27	21.700 15.900 12.100 12.130 12.130 11.720 11.500 11	-2-00 -8-70 -17-40 -53-50 -72-00 -90-50 -128-60 -147-20 -183-20 -26-60 -28-60 -28-60 -28-60 -28-60 -28-60 -28-60 -28-60 -28-60 -28-60 -28-60 -28-60 -28-60 -28-60 -28-60 -28-60 -28-60 -28-60	21.687 15.757 13.455 10.639 7.352 3.758 -102 -3.805 -7.175 -9.818 -11.118 -11.222 -10.465 -8.637 -5.883 -7.724 -3.907 -7.728	757 -2-411216 -7-505 -3-95 -11-585 -11-726 -6-987 -2-938 -627 -2-938 -6746 8-722 9-980 9-980	+006 +025 +050 +100 +150 +250 +350 +50 +50 +550 +600 +750 +850 +850 +850 +850 +850 +850 +850 +8
- 14 - 129 - 157 - 108 - 117 - 172 - 229 - 229 - 228 - 315 - 372 - 430 - 430 - 458 - 4816	9-482 7-332 6-886 5-869 5-896 5-391 5-2-4 5-295 5-775 5-177 5-177 5-177 5-175 5-177 5-175	-2.00 -8.70 -170 -5360 -72.00 -90.50 -109.50 -12860 -14720 -16620 -16620 -20060 -21860	21.700 15.9=0 14.100 13.020 12.360 12.1e0 11.720 11.500 11	-2-0C -6-70 -17-40 -35-26 -72-0C -72-0C -105-50 -126-60 -147-20 -146-2	21-687 15-757 13-455 10-637 7-352 3-758 102 -3-805 -1102 -11-118 -11	757 -2-411 -4-216 -7-505 -9-936 -11-565 -11-720 -10-746 -8-387 -2-938 -72-938	-006 -025 -050 -100 -150 -200 -250 -300 -350 -400 -450 -500 -550 -600 -650 -700 -750 -800 -850
- 14 - 229 - 166 - 115 - 172 - 201 - 229 - 258 - 215 - 342 - 372 - 401 - 458 - 457 - 554	9-482 7-332 8-886 9-869 9-866 3-99-1 5-39-1 9-39-1 9-39-1 5-19-3 5-19-3 5-19-3 8-19-3	-2.00 -8.70 -170 -536 -72.00 -96.50 -109.50 -14720 -168.20 -14720 -20020 -21800 -21800 -2720 -	21.70C 15.9eC 14.10C 13.02C 12.36C 12.16C 11.47CC 11.48C 11.50C 11.24C 11.18C 11.28C 11.28C 11.28C 11.28C 11.28C 11.38C 11.28	-2.00 -1.70 -1.70 -1.70 -2.10 -72.00 -72.00 -1.55.50 -1.26.20 -1.47.20 -1.47.20 -1.47.20 -2.48.00 -2.48.00 -2.48.00 -2.48.00 -2.48.00 -2.48.00 -2.48.00 -2.48.00 -2.49.00 -2.40.00 -2.40.00 -2.40.00 -2.40.00 -2.40.00 -2.40.00 -2.40	21-687 15-757 15-755 17-955 3-758 -1-102 -7-175 -1-122 -7-175 -9-818 -11-122 -10-465 -8-637 -5-758 -7-704 -7-704 -7-708 -7-708 -7-708 -7-708 -7-708 -7-708 -7-708 -7-708	757 -2-411 -4-216 -7-505 -9-996 -11-585 -11-726 -11-	-006 -025 -050 -100 -150 -200 -250 -300 -350 -400 -550 -600 -756 -800 -856 -900 -955
.14 .27 .57 .186 .113 .173 .173 .201 .258 .288 .288 .314 .372 .401 .430 .458 .467 .514 .554 .554	9-482 7-332 6-866 5-769 5-769 5-799 5-24 5-295 5-295 5-295 6-295 8-738 8	-2.00 -8.70 -170 -5360 -72.00 -90.50 -109.50 -12860 -14720 -16520 -16520 -20060 -21860	21-70C 15-9+C 13-02C 12-36C 12-36C 11-72C 11-52C	-2.0C -2.72 -2.20 -2.21 -2.20 -2.21 -2.20 -2.21 -2.20 -2.21	21-687 15-757 15-755 10-659 7-652 -7-652 -7-175 -1-126 -7-175 -9-818 -11-128 -11-128 -11-128 -8-637 -7-701	757 -2-4114 -1-755 -1-755 -1-755 -1-755 -1-756 -1-756 -1-756 -1-756 -2-798 -0-77 -0-798 -0-77 -0-798 -0-77 -0-798 -0-77 -0-7	-006 -025 -050 -100 -150 -200 -250 -300 -350 -400 -550 -600 -750 -800 -850 -900 -855 -900 -950 -950 -950 -950 -950 -950 -9
.14 .257 .357 .315 .115 .115 .129 .258 .258 .258 .258 .315 .315 .315 .315 .315 .315 .315 .315	9 482 7 332 8 486 9 486 9 386 9 381 9 284 9 284 9 287 9 287	-2.00 -8.70 -17.40 -35.20 -20.50 -109.50 -128.60 -147.20 -165.20 -20.40	21.70C 15.99C 12.02C 12.02C 12.02C 11.02C 11.02C 11.15C 11.15C 11.15C 11.15C 11.15C 11.15C 11.15C 11.28C 11.28C 11.28C 11.28C 11.28C 11.38C	-2.0C -8.7C -27.3C -25.2C -72.0C -72.0C -125.5C -127.2	21.487 13.787 13.787 13.787 10.439 17.4352 -10.23 17.175 -1.10.2 11.111 11.112 -1.10.225 -1.10.225 -2.701 -1.0.225 -2.701	757 -2-*11 -1-216 -7-3096 -11-756	-006 -025 -050 -100 -150 -200 -250 -300 -350 -400 -550 -600 -750 -600 -750 -850 -850 -850 -750 -750 -750 -750 -750 -750 -750 -7
14 27 57 185 193 172 201 288 286 315 315 344 372 401 458 481	9 482 7 332 6 486 9 7 866 9 7 866 9 7 866 9 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	-2.50 -8.70 -17.*0 -55.75 -72.00 -95.55 -105.80 -168.60 -168.20 -265.80 -273.2	21.70c 15.94c 11.10c 11.10c 11.29c 11.10c 11	-2.0C -27.4C -27	21.487 13.455 13.455 7.352 3.758 -1.02 -2.175 -1.17	757 	-006 -025 -0350 -100 -100 -200 -200 -3500 -3500 -5500
.14 .257 .357 .315 .115 .115 .172 .201 .229 .258 .268 .285 .315 .315 .315 .317 .317 .317 .317 .317 .317 .317 .317	9 4822 7 382 8 688 9 5 888 5 99 5 5 79 5 7 7 7 8 7 8 7 8 8 8 9 7 9 9 7 9 7 9 7 9	-2.00 -8.70 -9.50 -9.50 -10.50 -10.50 -12.60 -12.60 -12.60 -12.60 -12.60 -12.60 -13.60	21.70C 15.94C 13.40P 13.40P 12.16C 11.72C 11.46C 11	-2.0C -27.4C -27	21-487 13-4957 10-4939 7-352 3-753 3-753 1755 1755 1755 11-118 11-128 11	757 -2-411 -7-505 -9-936 -11-565 -11-726 -11	-006 -025 -050 -100 -150 -200 -250 -300 -350 -400 -550 -600 -750 -600 -750 -850 -850 -850 -750 -750 -750 -750 -750 -750 -750 -7
14 27 57 185 193 172 201 288 286 315 315 344 372 401 458 481	9 *822 7 *332 6 *866 5 *866 5 *866 5 *895 5 *24 5 *273 5 *25 5 *24 5 *273 5 *25 6 *273 6 *273 7 *273	-2.00 -8.70 -9.50 -9.50 -10.50 -10.50 -12.60 -12.60 -12.60 -12.60 -12.60 -12.60 -13.60	21.70C 15.99C 16.99C 17.30C 12.15C 11.78C 11.78C 11.78C 11.55C 11	-2.0C -8.7C -27.3C -25.2C -72.0C -72.0C -125.5C -127.2	21.487 13.455 13.455 7.352 3.758 -1.02 -2.175 -1.17	757 	-006 -025 -0350 -1150 -1250 -250 -250 -350 -350 -500 -350 -500 -350 -500 -350 -1000 -150 -1000 -1150 -1200 -1200 -1200 -1200 -1200 -1200 -1200 -1200 -1200 -1200 -1200 -1200 -1200 -1200 -1200
14 29 57 86 .115 172 219 286 286 315 34 372 401 430	9 *822 7 *328 9 *89 9 *8	-2.50 -5.70 -5.70 -5.70 -77.00 -90.50 -107.20	21.70C 15.90C 12.30C 12.30C 12.10C 11.72C 11.60C	-2.0C -2.77.40 -2.77.	21-487 13-495 10-495 7-352 3-755 -1-165 -1-175 -1-175 -1-1-118 -10-18 -1	- 7491	-006 -025 -050 -050 -250 -250 -250 -350 -350 -350 -550 -756 -550 -756 -550 -156 -156 -156 -156 -156 -156 -156 -156
	9 4822 7 3822 6 5866 5 7966 5 799 5 391 5 729 5	-2 00 -6.70 -6.70 -72.00 -90.50 -160.60 -1	21.70c 15.91c 15.10c 11.10c 11	-2 - 0C -27 - 46 -27 - 28 - 28 - 28 - 28 - 28 - 28 - 28 -	21-487 13-4957 10-4959 7-352 3-758 10-2 	- 727 - 2411 - 2411 - 77505 - 91936 - 11-680 - 10-786 - 10-786 - 10-786 - 10-781 - 9195 - 9195 - 9195 - 11-086 - 11-086	-006 -025 -050 -100 -050 -100 -250 -250 -350 -500 -550 -500 -550 -500 -500 -5

				ON BEVERAGE A			
				TAC . 1.018			
FREGLE	NCY . 300.000	rez Pi			050	RL . 270.0	COHES
			ASURED CURREN	CISTRIBUTION	IN MAJY OLT		
	HA- D	ATA	MARMAL	ZEC CATA			
2/-	IRM AG	IRFAZ	INPAG	INFAZ	INREAL	INIPAG	Z/LAMDAO
.005	7.585 7.161 7.123 7.007	127.60	3.9+0	9.60	3-865	-657 195 951	-003 -025 -050
.020	7.161	115.00	3.9+C 3.72C 3.70C	-14.90	3.865 3.715 3.576	195	·025
80	7.007	83.00	3.6.0		2.982	-2-088	•100
-120		63.70	3.600	-54.30 -73.20 -91.50	2.124	-2.956 -3.485 -3.639	.150
.201	7:307	26.50	3.6-0	-530 -73.20 -93.50 -1(8.20 -1(8.80 -143.37 -160.70 -260.60 -238.50 -256.50 -256.50 -290.80 -308.00 -308.00	2 · 242 2 · 12 · 1 · 052 - · 095	-3-639	.250
.241	7.007	9.80	3.640	-1(8.2C	-1·137 -2·094 -2·758 -3·152	-3.456	·300
.32	0.022		3.320	-143.3C	-2-758	-2.056	00
.361	0.391	-43.70 -62.70 -82.60 -102.60 -120.50	3.320	-161.7c	-3-152	-1.042	.500
	6.276	-82.60	3.260	-200.60	-3.260	1-119	-550
.582	6-122	-102.60	3.160	-550.00	-2-414	2.677	-600 -650
.562	6.276		3.1.0	-256.5C	-1-641	3.170	.700
5000	6.31.	-155.60 -172.80	3.500	-273.6C	.500	3.274	•750 •800
.082	6.006	-19C.CO	3.160	-3C8.CC	1.951	2.459	.850
.723	5.775	-208.50	3.000	-326.5C	5.205	1.656	.900
.79u	5.775 5.660 5.390	-242.80	2.90C	-273.60 -290.80 -308.00 -326.50 -346.10 -360.80	1.129 1.921 2.902 2.854 2.800	039	.984
				STRIBLTION IN	FICCOUL/VOLT-P		
	RAA D			IZEC CATA			
2,4	GR™AG	GREAZ	GNMAG	GNFAZ	GAREAL	CHIMAG	Z/LAMDAO
•005	9.397 7.347	-2.00	21.500	-2.00	21.447	750	-006
• :•0	6.503	-8.80 -17.50 -35.20	15.800	-17.5C	15.614 13.543 10.423	-2.417 -4.270 -7.494	·050
• 680	5.729	-35.20	13.000	-17.50 -35.20	10.423	-7-494	•100
-161	5.599	-52.8c -72.co	12.320	-52.80 -72.00	3.721	-9.813 -11.451	·150
.201	5.347	-91-10 -110-20	11-620	-91.1C	-3.971	-11-618	·250
.281	5.335	-129-40	11.500	-72.00 -91.10 -110.20 -129.40	•3.971	-6.933	. 250
.321	5.320	-148.00	11.440			-6.062	00
• • • • • • • • • • • • • • • • • • • •	5.199	-148.00 -165.80 -183.30	11.400	-165.80 -183.30	-11-052	-2.797	• • • • • • • • • • • • • • • • • • • •
2	5.199	-201.00 -218.50	11-16C		-11.161 -10.437 -8.452	4.007 6.723	•500 •550
-522	5.022	-236.5C	1C-80C 1C-38C	-201.00 -218.50 -236.50 -255.80 -275.50	-5.729	8.656	.600 .650
.562	4.752	-255.80		-255.8C		9.908	•700
-602	*****	-275.50	9.78C 9.940	-275-50	.937	9.735	•750
·682	••622 ••780	-314.70	9.94C 10.28C	-314.70	6.992	7 • 065 4 • 587	·850
.763	5.152 5.998	-333.50	10.280	-295.00 -314.70 -333.50 -351.70 -364.40	9.200	1.599	•900
.792	5.994	-295.00 -314.70 -333.50 -351.70 -364.40	12.900	-364.40	-2.507 +37 +201 6.992 9.200 10.964 12.862	990	-987
	DISTRIB	UTION OF CLARE	NT AND CHARGE	ON BEVERAGE	ANTENNA BYER F	RESH MATER	
	ALFAL/BE	TAL0460	BETAL/	BETAC - 1-C18			
FREGU	ENCY . 300.0	OFFZ	PEC67	CZLAMCA			CORNES
				NT CISTRIBUTIO			
	94-			LIZEC CATA			
2/4	IRM AG	IRFAZ		INFAZ		INIPAG	
00		128.60		8.6C	INREAL		Z/LAMCAO
+634	7.144	116.60 104.10	3.780	-3.40	3.737 3.634 3.443 2.636	-565	.003
-067	6.766	104.10	3.580	-15.90	3.443	216	.050
.201	6.504 7.031	61.10	3.55C 3.6CC 3.72C	-37.60 -58.90 -74.80	2.836	-2-184	-100 -150
·268	7.031	28.50	3.720		1.860	-3-590	-500
.+02	7.106		2.746	-91.5C	-1-100	-3.819	.250
·*69	6.680	-22.30	3.040	-124.90	-2-083	-2.985	.350
.60*	6.426	-4.90 -22.30 -41.60 -57.50	3.64C 3.50C 3.40C 3.16C	-161.6C -177.5C	-3-226	-2-140	••00
.649	5.972	-57.50	3-160	-177.50	-3-157	-1.073	
		A. MCAS	FED CHARGE C				
		2444	- 60 CHANGE C	ISTRIBLTION IN	-100001740011		
2,4	GRMAG	GRFAZ	GNMAG	CAFAZ		CNIPAG	
.008	9.964	-5-00			21-119		Z/LAMDAO
.034	7.323	-11-50 -19-60	21.20C 15.56C	-9.60 -11.50 -19.60	15.267	-1-848	.006
• 13•	5.975	-19.6C -36.5C	14.000	-19.60	15.267	-3-106 -4-696 -7-566	.050
.201	5.527	-53.50	11.760	-53.5C	10.225	-9-453	·100
.335	5.377	-72.60 -92.60	11.440	-72.60 -92.40	3.421	-10-917	.500
••02	5.132	-112.90	10.950	-112.90	-1.2.9	-10-059	.250
.536	5.26.	-133.20 -152.50	11.200	-133.20	-7.667 -10.147	-8-164	-350
·604	5.756	-171-0C	12.460	-171-CC	-12-307	-1.949	••00
.003	05.	-18SC	14.520	-184.20	-14.481	1.063	**50

	ALFAL HET	AL C280	BETAL/B	ETAC . 1.016	LIZEA	PDAG . 1.500	
FRECLE	CY . 300.00		EC67		· .166		COMPS
				T CISTRIBUTION			
	RA- D			IZEC CATA			
						INIMAG	Z/LAMDAO
2/-	IRM AG	IRFAZ	INFAG	INFAZ			
.005	7.5+8	130.60	3.70C	10.60	3.637 3.579 3.378	075	.003
.029	7.333	107.50	3.460	-12.50	3-378	**749	.050
. 57	5.732	87.60	3.30C	+32.40		-1.768	·100
. 366	0.010	68.00	3.240	-52.CC -71.20	1.995	-2.553	.150
•115 •1•3	*****	28.00	3.180	-91.20	067	-3-179	-250
•172	5 67	9.70	3.180	-11C-30	-1-103	-2.982	-300
.500	6.524	-8 60	3.200	-128.60	-1-996	-2.501	.350
.559	0.650	-26.30	3.260	-146.3C -163.5C	-5.215	-1.809	••00
.258	0.650	-43.50 -61.20	3.200	-181-20	-3-126	.067	.500
.315	0.365	-78.70	3.120	-198.7C	-2-955	1.000	.550
.344	6.203	-97.00	3.0.0	-217.CC	-2.428	1.830	-600
.372	5.916	-115.4C -134.5C	2.960	-235.4C -254.5C	-1-681 775	2.436	-650 -700
30	5.916	-153.60	2.900	-273.6C	.105	2.894	.750
.458	5.957	-172.5c	5.920	-292.50	1 • 1 1 7	2.698	.800
.487	6+03A 5+99A	-191-00	2.960	-311.00 -325.00	1.942	2.234	·850
.515	5.994	-209.00	2.940	-325.00	2.520	.691	.950
.573	6.1.38	-244.40	2.960	-364.40	2.951	227	1.000
.601	5.957	-261.00 -279.30	5.950	-381.0C	2.726	-1-046	1.050
.630 .659	5.753	-279.3C	2.880	-395.3C	2.550	-1.624	1.150
.587	5.794	-315.80	2.840	-+35.8C	•497	-2.753	1.500
.716	5.034	-333.80	2.860	-453.80	190	-2.854	1.250
.745	5.753	-353.00 -371.40	2.820	-473.CC	-1.102	-2-596	1.300
.802	5.712	-371.4C	2.820	-5c9.cc	-2.000	-1.442	1.400
.830	5.794	-4C7.7C	2.8+0	-527.7C	-2-775	***605	1 - 450
.850	5+590	-+22.70	2.740	-542.70	-2-737	.129	1 - 48 4
		B. MEASU	RED CHARGE CI	STRIBUTION IN	PICCOLL/VOLT-		
	44- 0	ATA	NORMAL	IZEC CATA			
2/4	GRMAG	GRFAZ	CNFAG	GNFAZ	GNREAL	CNIMAG	Z/LAMDAD
.003	10.039	-7.0c	20.700	-7.CC	20.546	-2.523	+006
	7.382	-13.40	15.220	-13.40	14.806	-3-527	.025
.029		-55.50	13.1.6	-55.5C	12.166	-4.965	- 050
57	5.425	-+C-6C -58-60	12.COC	-4C.6C	6.044	-7.809 -9.901	·100
115	5.563	-76.60	11.600	-76.6C	2.660	-11-167	.190
	571	-94.20	11.280		* . 826	-11.250	.250
.1+3				-94.20			
.172	5.325	-111.60	10.980	-111.60	-4.042	-10.209	•300
.172	5.325	-111.60	10.98C 10.86C	-111.60 -129.50	-4.042	-10.209 -8.380	• 350
.172	5.325 5.267 5.239 5.273	-111.60 -129.50	10.980	-111.60 -129.50 -148.10 -167.00	-4.042 -6.908 -9.169 -10.192	-10.209 -8.380 -5.707 -2.353	•350 ••00 ••50
.172 .200 .229 .25#	5.325 5.267 5.239 5.073	-111.60 -129.50 -1.8.10 -167.00 -186.20	10.980 10.860 10.800 10.460 10.180	-111.60 -129.50 -148.10 -167.00 -186.20	-4.042 -6.908 -9.169 -10.192 -10.120	-10.209 -8.380 -5.707 -2.353 1.099	•350 •400 •450 •500
.172 .200 .229 .258 .286	5.325 5.267 5.239 5.073 •.937	-111.60 -129.50 -148.10 -167.00 -186.20 -205.00	10.98C 10.86C 10.86C 10.46C 10.18C 10.24C	-111.60 -129.50 -148.10 -167.00 -186.20 -205.00	-4.0-2 -6.908 -9.169 -10.192 -10.120 -9.281	-10.209 -8.380 -5.707 -2.353 1.099 4.328	•350 •400 •450 •500
.172 .200 .229 .258 .286 .315	5.325 5.235 5.235 5.237 4.937 4.965 5.25	-111.60 -129.50 -148.10 -167.00 -186.20 -205.00	10.98C 10.86C 10.86C 10.46C 10.18C 10.24C 10.36C	-111.60 -129.50 -148.10 -167.00 -186.20 -205.00	-4.042 -6.908 -9.169 -10.120 -9.281 -7.490	-10.209 -8.380 -5.707 -2.353 1.099 4.328 7.158	•350 •400 •450 •500 •550
.172 .200 .229 .258 .286	5.325 5.267 5.238 5.273 937 965 5.225 5.225	-111.60 -129.50 -148.10 -167.60 -186.20 -205.00 -233.70 -241.40 -255.00	10.98C 10.86C 10.86C 10.46C 10.18C 10.24C	-111.60 -129.60 -148.10 -167.60 -186.20 -205.60 -223.70 -241.40 -259.60	-4.042 -6.908 -9.169 -10.192 -10.120 -9.281 -7.490 -4.959 -1.996	-10.209 -8.380 -5.707 -2.353 1.099 4.328 7.158 _9.096	.350 .400 .450 .500 .550 .600 .650
.172 .200 .229 .25A .286 .315 .344 .372 .401	5.325 5.239 5.239 5.239 5.237 4.937 4.965 5.225 5.225 5.273	-111.60 -129.50 -148.10 -167.00 -186.20 -205.00 -223.70 -241.40 -259.00	10.98C 10.86C 10.85C 10.46C 10.18C 10.24C 10.36C 10.36C 10.46C 10.24C	-111.60 -129.50 -148.10 -167.00 -186.20 -205.00 -223.70 -241.40 -255.00 -276.30	-4.042 -6.908 -9.169 -10.192 -10.120 -9.281 -7.490 -4.959 -1.999 -1.996	-10.209 -8.380 -5.707 -2.353 1.099 +.328 7.158 _9.096 10.268	-350 -400 -450 -500 -550 -600 -650 -700 -750
172 200 229 258 286 315 372 401	5.325 5.239 5.239 5.239 4.937 4.936 5.225 5.225 5.225 6.473 4.918	-111.60 -129.50 -148.10 -167.00 -186.20 -205.00 -223.70 -211.40 -259.00 -276.30	10.98C 10.86C 10.85C 10.46C 10.18C 10.28C 10.36C 10.36C 10.46C 10.46C	-111.60 -129.50 -148.10 -167.60 -186.20 -205.00 -223.70 -241.40 -259.00 -276.30	-4.042 -6.908 -9.169 -10.192 -10.120 -9.281 -7.490 -4.959 -1.996 1.124	-10.209 -8.380 -5.707 -2.353 1.099 4.328 7.158 -9.096 10.268 10.178 9.263	-350 -400 -450 -500 -550 -600 -650 -700 -750 -800
.172 .200 .229 .25A .286 .315 .344 .372 .401	5.725 5.237 5.237 5.273 4.937 4.964 5.225 5.225 6.773 4.966 4.918 4.659	-111.60 -129.50 -148.10 -167.00 -186.20 -205.00 -223.70 -241.40 -259.00	10.98C 10.88C 10.88C 10.48C 10.18C 10.24C 10.36C 10.36C 10.48C 10.24C 10.14C 10.24C 10.14C	-111.60 -129.50 -148.10 -167.00 -186.20 -205.00 -223.70 -241.40 -259.00 -276.30 -254.00 -311.50	-4.042 -6.908 -9.169 -10.192 -10.120 -7.490 -1.996 1.124 -1.124 -6.626	-10.209 -8.380 -5.707 -2.353 1.099 4.328 7.158 -9.096 10.268 10.178 9.263 7.490	-350 -400 -450 -500 -550 -600 -650 -700 -750
.172 .200 .229 .25# .866 .315 .344 .372 .401 .430 .458 .487 .515	5.725 5.267 5.273 5.273 4.937 4.965 5.225 5.225 5.273 4.966 4.918 4.855 4.865	-111.60 -129.50 -1.88.10 -167.C0 -126.20 -205.C0 -223.70 -241.40 -255.C0 -276.30 -276.30 -311.50 -311.50	10.980 10.850 10.850 10.460 10.180 10.360 10.360 10.360 10.240 10.140 10.140 9.620 9.620	-111.60 -125.55 -148.10 -167.00 -186.20 -205.00 -223.70 -241.40 -255.00 -254.00 -311.50 -330.00	-4.042 -6.908 -9.169 -10.192 -10.120 -9.281 -7.495 -4.959 -1.124 6.626 8.331 9.247	-10.209 -6.380 -5.707 -2.353 1.039 +.328 -9.096 10.268 10.178 9.263 7.490 +.810	.350 .400 .450 .500 .550 .600 .650 .700 .750 .850 .900
.172 .200 .229 .258 .286 .315 .372 .01 .372 .01 .430 .458 .558	5.725 5.267 5.238 5.273 4.937 4.964 5.225 5.225 4.966 4.918 4.857 4.666 4.567	-111.6c -129.50 -148.1c -167.cc -166.2c -205.cc -233.7c -41.4c -259.cc -311.5c -320.cc -349.cc	10.980 10.880 10.880 10.480 10.180 10.240 10.360 10.480 10.140 10	-111.60 -129.50 -148.10 -167.40 -186.20 -205.40 -225.40 -275.40 -275.40 -276.30 -276.30 -336.40 -336.40	-4.042 -6.908 -9.169 -10.192 -9.281 -7.490 -4.959 -1.959 -1.124 4.124 6.626 8.331 9.247	-10.209 -8.380 -5.707 -2.353 1.099 +328 7.158 -9.096 10.268 10.178 9.263 7.490 1.797 -1.297	- 350 - 400 - 450 - 550 - 550 - 650 - 700 - 750 - 850 - 900 - 950
.172 .200 .229 .258 .866 .315 .344 .372 .01 .430 .458 .87 .515 .544 .515	5.725 5.237 5.237 5.273 4.937 4.937 4.935 5.225 5.225 5.225 4.936 4.918 4.850 4.850 4.850 4.820 4.820	-111.6c -129.50 -148.1c -167.cc -126.2c -2c5.cc -223.7c -241.4c -255.cc -276.3c -276.3c -311.5c -311.5c -39.cc -349.cc	10.986 10.886 10.850 10.460 10.140 10.386 10.386 10.486 10.170 10.240 10.170 10.000 9.620 9.620 9.620 9.620	-111.60 -125.50 -148.10 -167.40 -186.20 -205.40 -225.70 -241.40 -255.40 -255.40 -311.50 -330.40 -345.40 -346.40 -347.40	-4.042 -6.908 -9.169 -10.192 -10.120 -9.281 -7.490 -1.959 -1.996 1.124 6.626 8.331 9.247 9.229 8.393	-10.209 -8.380 -5.707 -2.353 1.099 4.328 7.158 9.096 10.268 9.263 7.490 4.810 1.7797 -1.297	- 350 - 400 - 450 - 500 - 550 - 600 - 650 - 700 - 750 - 850 - 900 - 950 1 - 000 1 - 050
172 229 258 286 315 372 01 437 401 458 467 467 467 467 467	5 - 725 5 - 725 5 - 725 5 - 727 5 - 725 5 - 725 5 - 725 6 - 72	-111.60 -129.50 -148.10 -167.00 -186.20 -205.00 -223.70 -211.40 -275.30 -296.00 -311.50 -320.00 -348.00 -368.00 -367.00 -367.00	10.980 10.850 10.850 10.460 10.140 10.360 10.360 10.460 10.460 10.140 9.620 9.620 9.820	-111.60 -125.50 -1.48.10 -1.67.60 -1.86.20 -2.55.60 -2.23.70 -2.55.60 -2.55.60 -2.55.60 -2.55.60 -3.56	-4.092 -6.908 -9.169 -10.192 -10.120 -9.281 -7.490 -1.994 -1.124 -6.626 -8.331 -9.27 -9.229 -1.393 -1.394 -1.394 -1.394 -1.393 -	-10.209 -8.380 -5.707 -2.353 1.099 4.328 7.158 9.096 10.268 9.263 7.490 4.810 1.797 -1.297 -4.277 -6.720 -8.467	-350 -400 -500 -550 -650 -550 -650 -700 -350 -900 -950 1.000 1.100
172 229 258 286 315 344 372 401 430 458 458 461 563 6687	5 · 725 5 · 725 5 · 723 • 737 • 736 5 · 725 5 · 727 • 736 • 737 • 736 • 737 • 736 • 737 • 736 • 737 • 736 • 737 •	-111.60 -129.50 -148.10 -167.00 -166.20 -205.00 -203.70 -21.40 -276.30 -276.30 -311.50 -310.50 -348.00 -368.00 -367.00 -327.00	10-880 10-880 10-800 10-400 10-200 10-300 10-300 10-300 10-100 10	-111.60 -129.55 -1 * 5 * 15 * 15 * 15 * 15 * 15 * 15 * 1	-4.092 -6.908 -9.169 -10.120 -9.281 -7.490 -1.296 1.124 6.626 8.331 9.227 9.229 6.743 4.125 6.743 1.274 1	-10.209 -8.380 -5.707 -2.383 1.099 -3.28 7.158 9.096 10.288 9.263 7.490 -1.797 -1.297 -1.297 -1.467 -9.389	-350 -500 -550 -500 -550 -600 -750 -800 -950 -950 1000 1100 1150
-172 -209 -254 -286 -315 -372 -01 -587 -515 -573 -601 -659 -687 -716	5 · 125 5 · 225 5 · 237 5 · 273 • 937 • 936 5 · 225 5 · 225 5 · 273 • 966 • 918 • • 669 • • 569 • • 177 • • • 177 • • • 177 • • 177	-111.60 -129.50 -148.10 -167.00 -166.20 -205.00 -203.70 -21.40 -276.30 -276.30 -311.50 -310.50 -348.00 -368.00 -367.00 -327.00	10-880 10-880 10-880 10-880 10-880 10-280 10-380 10-280 10-280 10-280 10-280 10-280 10-280 10-380 10-280 10-380 10	-111.60 -129.55 -148.10 -167.00 -186.20 -223.70 -223.40 -233.40 -233.40 -276.30 -311.50 -325.4	-4.092 -6.908 -9.169 -10.129 -9.281 -7.490 -1.996 -1.129 -1.129 -1.129 -1.247 -1.24	-10.209 -8.380 -5.707 -2.381 1.039 -3.382 -3.096 10.268 10.178 9.263 7.490 -8.810 -1.277 -4.2	-350 -500 -550 -550 -550 -550 -550 -760 -850 -950 1000 1055 1100 1250 1250
172 229 258 286 315 344 372 401 430 458 458 461 563 6687	5 - 725 5 - 725 5 - 725 5 - 723 6 - 725 5 - 725 5 - 725 5 - 725 6 - 72	111.6C -129.5D -148.1C -126.7C	10-880 10-880 10-850 10-460 10-460 10-240 10-380 10-380 10-180 10	-111.60 -125.55 -146.15 -167.60 -126.25.50 -26.3.60 -276.30 -276.30 -276.30 -276.30 -376.50 -376.60 -3	-4.092 -6.908 -7.169 -10.120 -7.281 -7.490 -1.296 -1.296 -1.296 -1.296 -1.296 -1.296 -1.296 -1.296 -1.296 -1.297 -1.296 -1.296 -1.297 -1.29	-10-209 -8-1380 -5-707 -2-1353 1-099 -7-1598 -7-1598 -7-1597 -1-1297 -	-350 -350 -550 -550 -550 -550 -550 -550
-172 -200 -229 -586 -315 -372 -01 -330 -587 -515 -630 -657 -716 -745	5 · 125 5 · 225 5 · 237 5 · 273 • 937 • 936 5 · 225 5 · 225 5 · 273 • 966 • 918 • • 669 • • 569 • • 177 • • • 177 • • • 177 • • 177	-111.60 -129.50 -148.10 -167.00 -166.20 -205.00 -203.70 -21.40 -276.30 -276.30 -311.50 -310.50 -348.00 -368.00 -367.00 -327.00	10-880 10-880 10-880 10-880 10-880 10-280 10-380 10-280 10-280 10-280 10-280 10-280 10-280 10-380 10-280 10-380 10	-111.60 -129.55 -148.10 -167.00 -186.20 -223.70 -223.40 -233.40 -233.40 -276.30 -311.50 -325.4	-4.092 -6.908 -9.169 -10.129 -9.281 -7.490 -1.996 -1.129 -1.129 -1.129 -1.247 -1.24	-10.209 -8.380 -5.707 -2.381 1.039 -3.382 -3.096 10.268 10.178 9.263 7.490 -8.810 -1.277 -4.2	-350 -500 -550 -550 -550 -550 -550 -760 -850 -950 1000 1055 1100 1250 1250

					TENNA OVER FR		
	ALFAL/BETA	0250	BETAL /B	ETAC . 1.016	L1/(A)	DAG . 1.000	
FREQUENCY	. 300.00	2	E067	DILAPDAC	· .1cc	RL . 271.0	COHES
		A. ME	ASURED CURREN	T DISTRIBLTION	IN MAZY BET	PL - 271-0	
	94- 24	ATA.	NORMAL	IZEC CATA			
2/	IRM AS	IRFAZ	INFAG	INFAZ	INFEAL	INIPAG	Z/LAMD
005						.58	
20	7.793 7.262 7.58 6.55	128.60	3.820	-3.00	3.775	186	.025
•0•0 •182	7 58	100.40	3.40	-13.6C -33.7C		-1.86*	+050 +100
.120	6.732	67.10 47.90	3.300	-52.90		-2.632	-150
-161	0.529	47.90	3.200	-72.10	.961	-3.0.45 -3.178 -2.975	.200
.201	0.467	86.30 67.10 47.90 28.00 9.30 -9.70 -48.00 -63.60 -89.00 -116.00 -153.60	3-200 3-140 3-140 3-140 3-140 3-140 3-120 3-120 3-120 3-020 3-020 3-020	-92.CC	1991 1989 -111 -1124 -2-031 -2-097 -3-084 -3-084 -2-969 -2-425 -1-089 -7-82		·300
.281	0.487	-9.70	3.140	-125.70	-2-631	-1.685 775	00
.361	0.467	-45.50	3.140	-1+8.00 -165.90	-3-08-	775	••50 •500
••01	6.569 6.569 6.365 6.161	-63.50	3.220	-183.60 -200.00 -215.00 -236.00 -255.00	-3.214	.202 1.081 1.963	.550
.462	0.365	-99.0C	3.120	-215.00	-5.425	1.963	•600
.522	0.101	-110.00	3.020	-236.00	-1-689	2.504	.700
.602	5.998	-153.60 -173.00	3.000	-273.60	1.149	2.994	.750
.682	5.998	-173.00	2.940	-311-60	1.979	3.528	-850
		-191.60 -210.00	2.900	-330.00	2.563	1.480	•900
.762 .790	6. 79	-191.60 -210.00 -228.40 -243.00	2.94C 2.96C 2.96C 2.94C	-273.60 -273.60 -273.00 -311.60 -330.00 -348.40 -363.00	2.563 2.919 2.936	1.480 .599 154	.950
				STRIBLTIER IN			
	GAA DA	ATA	NORMAL	IZEC DATA	100000		
2,4	Server.	GREAZ	CAPAG	GNFAZ	CHREAL	CHIMAG	Z/LAMO
•005	10.045 7.232 6.409 5.831 5.825	-6.60 -12.90 -21.60 -40.10 -59.00 -77.00	20.500 14.760 13.080 11.900 11.460 11.460 11.460 11.180 11.020 10.680 10.080 10.080	-6.00 -12.90 -21.60 -40.10 -55.00	** ***	-2.143 -3.295 -4.815 -7.665	.000
•020	7.232	-12.90	14.760	-12.90	14.387	-3-295	.025
•0•5 •180	5.041	-21.60	11.9.0		9.103	-7.665	+100
	5.025	-59.00	11.460	-55 -CC	14.387 12.161 9.103 5.913 2.582	-9.840 -11.186	•150
·161 ·201 ·241	5.525	-77.00 -94.60 -112.00 -129.50 -147.60 -166.42 -185.52 -204.50 -223.60	11.460	-55.CC -77.CC -94.8G -112.GC -129.5G -147.6C -166.4C -185.5C	947	-11.186 -11.280 -10.366	.25
.241	5 7 4	-112.00	11-150	-112.00	-4-188	-10.366	• 300
.281	5.400	-129.50	11.020	-129.50	-7-010	-8.503 -5.712	• 35
.361	5.027	-166.40	10.200	-166.40	-7.010 -9.001 -9.972 -10.034	-2.413	· 450
••01	4.120	-185.50	10.050	-180.50	-10.034	• 163	.556
. +82	1.920	-223.60	10.0.C 10.0.C	-223.60	-9.136 -7.271	4.163 6.924 8.848 9.992	•60
.522	1.923	-241.8C -260.2C	10.0+C 10.0+C 10.1+C 10.2+C 10.3+C	-241.80	-1.726	9.848	·65
.602	5.027	-278.CC -295.30	10.200	-278.CC	1.428	10.160	• 750
584	5 . 76	-295.30	10.350	-295.3C -313.5C	7.121	9.366	· 800
.727	5.076	-313.50 -332.30 -352.80 -369.50	10-1-0	-332.30	8.978	4.713	.900
		-352.60	10.360 10.360 10.140 10.960 13.220	-313.50 -352.80 -365.50	7.131 8.978 1C.874 13.039	7.515 4.713 1.374 -2.182	-987
.762 .792	5.370	-369.50					
.762	5.478	-369.50					
.762	LISTRIBUT	TION OF CURREN	T AND CHARGE	ON BEVERAGE A			
.762 .792	DISTRIBUT	TION OF CLRREN	T AND CHARGE	ETAC . 1.016	LIZEA	'CAC500	
•762 •792	LISTRIBUT	TION OF CURREN AL • +CZBU YHZ P	T AND CHARGE BETAL/B	ETAC • 1.016 D/LAMBAC	166	CAC • .500 RL • 271•0	COMPS
•762 •792	6151#1861 *LFALZHETZ * 300-00#	TION OF CURREN	T AND CHARGE SETAL/B	ETAC • 1.016 D/LAMBAC T DISTRIBUTION	166	CAC • .500 RL • 271•0	COHPS
.762 .792	DISTRIBUT	TION OF CURREN AL CEBU THE A. ME ATA	T AND CHARGE BETAL/B E •	ETAC • 1.C16 C/LAPDAC T DISTRIBUTION IZED DATA	166 IN PAZV BÛT	CAC • .500 RL • 271•0	
FREQUENCY	DISTRIBUT ALFALVETY 300.000 RAN DI	TION OF CURREN AL	T AND CHARGE BETAL/B E •	ETAC • 1.C16 C/LAPDAC T DISTRIBUTION IZED DATA	166 IN PAZV BÛT	'CAC + .500 RL + 271+0	Z/LAM0
FREQUENCY	LISTRIBUT ALFALVIETA - 300-000 RA- 04 INN A6 7-335 7-272	110h OF CURREN ALCC86 HHZ P A. ME ATA 15FAZ 128.40 116.40	T AND CHARGE BETAL/B E •	ETAC • 1.C16 C/LAPDAC T DISTRIBUTION IZED DATA	166 IN PAZV BÛT	TDAO + .500 RL + 271+0 INIMAG .549	Z/LAM0
FREQUENCY	LISTRIBUT ALFALVIETA - 300-000 RA- 04 INN A6 7-335 7-272	110h OF CURREN ALCC86 HHZ P A. ME ATA 15FAZ 128.40 116.40	T AND CHARGE BETAL/B E •	ETAC = 1.016 D/LAMDAC T DISTRIBUTION IZED CATA INFAZ 8.4C -3.6C -14.0C	166 IN PAZV BÛT	TDAO + .500 RL + 271+0 INIMAG .549	Z/LAM
.762 .792 FREQUENCY	LISTRIBUTAL ALFALZETA ** 300.001 RA** 0/ RA**	AL	T AND CHARGE BETAL/B E •	ETAC = 1.016 D/LAMDAC T DISTRIBUTION IZED CATA INFAZ 8.4C -3.6C -14.0C	100 IN PAZY BLT INFEAL 3-720 3-533 3-635 2-869	FAC500 RL - 271-0 INIMAG .549 226 456 -1.916	2/LAM0 •003 •025 •050 •100
.762 .792 FREQUENCY	LISTRIBUTAL ALFALZETA ** 300.001 RA** 0/ RA**	AL	T AND CHARGE BETAL/B E • .G67 ASURED CURREN NORPAL INVAG 3-76C 3-60C 3-60C 3-60C 3-60C	ETAC = 1.016 D/CAPDAC T DISTRIBUTION IZED DATA INFAZ 8.40 -3.60 -14.00 -52.10 -71.60 -90.90	100 IN PAZY BLT INFEAL 3-720 3-533 3-635 2-869	FAC500 RL - 271-0 INIMAG .549 226 456 -1.916	2/LAM0 •003 •025 •050 •100
.762 .792 FREQUENCY	LISTRIBUT ALFAL/NET/ - 300-00F RAN DI IMN AG 2-395 2-729 7-151 6-806 5-626 5-626 5-626	TION OF CURREN ALCCEU THZ P ATA INFAZ 1284.4C 1164.4C 1164.4C 854.7C 674.9C 484.8C	T AND CHARGE BETAL/B E • .G67 ASURED CURREN NORPAL INVAG 3-76C 3-60C 3-60C 3-60C 3-60C	ETAC = 1.016 D/CAPDAC T DISTRIBUTION IZED DATA INFAZ 8.40 -3.60 -14.00 -52.10 -71.60 -90.90	1 NFAL 3-720 3-593 3-495 2-015 1-0350521129	TAC500 RL - 271-0 [N[MAG .549 -226 -456 -1-916 -2.588 -3-182 -3-280 -2-973	2/LAM .003 .025 .050 .150 .200 .250 .300
FREQUENCY -004 -384 -387 -387 -387 -387 -387 -387 -387 -387	LISTRIBUT ALFAL/RETA - 300-000 RAN DI IMN AG 7-335 7-272 7-151 6-806 6-906 6-906	TIDN OF CURREY AL	T AND CHARGE BETAL/B E • .G67 ASURED CURREN NORPAL INVAG 3-76C 3-60C 3-60C 3-60C 3-60C	ETAC = 1.016 D/CAPDAC T DISTRIBUTION IZED DATA INFAZ 8.40 -3.60 -14.00 -52.10 -71.60 -90.90	* - 100 IN PAZY BLT INFEAL 3-720 3-593 2-803 2-803 1-035 1-1	TAG500 RL - 271-0 INIMAG .5-92264556 -1.916 -2.588 -2.588 -2.973 -2.973	2/LA*0 003 025 050 100 150 250 250 350
**************************************	DISTRIBUT ALFALVETY 300.000 Ran DI IND AG 7.395 7.279 7.151 6.806 6.806 6.806 6.806 6.806 6.806 6.806 6.806	TIDN OF CURREY AL	T AND CHARGE BETAL/B E • .G67 ASURED CURREN NORPAL INVAG 3-76C 3-60C 3-60C 3-60C 3-60C	ETAC = 1.016 D/CAPDAC T DISTRIBUTION IZED DATA INFAZ 8.40 -3.60 -14.00 -52.10 -71.60 -90.90	* - 100 IN PAZY BLT INFEAL 3-720 3-593 2-803 2-803 1-035 1-1	(N) = .500 RL = 271.0 (N) = A .549 226 456 -1.916 -2.588 -	Z/LAMO 003 0050 100 150 2500 2500 350 350 450
**************************************	LISTRIBUT ALFAL/RETA - 300-000 RAN DI IMN AG 7-335 7-272 7-151 6-806 6-906 6-906	TION OF CURREN ALCCEU THZ P ATA INFAZ 1284.4C 1164.4C 1164.4C 854.7C 674.9C 484.8C	T AND CHARGE SETAL/B EC.G7 ASURED CURREN NORPAL INFAG 3-76C 3-65C 3-26C 3-	ETAC = 1.016 D/CAPDAC T DISTRIBUTION IZED DATA INFAZ 8.40 -3.60 -14.00 -52.10 -71.60 -90.90	1 NREAL 3-720 3-593 3-355 2-869 2-015 1-0351129	TOAC * -500 RE * 271+0 INIMAG 159 -226 -160 -110 -2.588 -2.588 -2.588 -2.588 -2.588 -2.588 -2.588	2/LAMO -003 -025 -050 -150 -250 -250 -300 -350
FREQUENCY FREQUENCY	LISTRIBUTE TV . 370-00F	TION OF CLREET A. **CEBU THZ P A. ME ATA INFAZ 128.4C 1106.4C 67.9C 48.4C 29.1C -29.2C -29.2C -62.4C -62.4C	T AND CHARGE BETAL/B C = .CO7 ASURED CURREN NORPAL INFAC 3-70C	ETAC * 1.016 C/LAPDAC T CISTRIBUTION IZEC CATA INFAZ 8.4C -3.4C -1.4C -50.5C -110.8C -13.4C -13.4C -14.4C -50.5C -110.8C -145.2C -167.6C -182.4C	- 100 IN PAZV 601 INFEAL 3-720 3-553 3-435 2-405 1-015 1-015 1-015 1-017 2-766 3-217	INT AG 1519	Z/LA*0 003 005 005 100 150 250 250 350 350 450
FREGLENCY FREGLENCY 6004 34 367 316 369 350 369 360	LISTRIBUTE ALFALVETY . 300-001	110h OF CURREY A	T AND CHANGE SETAL/B S	ETAC * 1.016	1NFAL 1NFAL 3-720 3-93 3-93 3-93 2-802 2-802 1-1052 1-1052 1-129 2-270 2-766 3-164 3-217	INTRAG - 589 - 226 - 456 - 1916 - 2126 - 2126 - 2126 - 2126 - 2127 - 2127 - 3286 - 2127 - 3286 - 2127 - 3286 - 2127 - 3286 - 2137 - 3286 -	Z/LAM(-003 -025 -050 -100 -150 -250 -350 -350 -450 -450 -450
### ### ### #### #####################	LISTRIBULET/ - 300-000/ FAN D/ INN AG 7-335 7-379 7-151 6-26 6-26 6-26 6-26 6-26 6-26 6-26 6-2	1100 OF CLERCY L. * CCE. P. *** 105-12 128-4-C 1108-15 128-4-C 128-4-C 128-4-C 128-16	T AND CHARGE SETAL/8 E *	ETAC + 1.016 C/LAPCAC T CISTATELTION IZEC CATA INFAZ 3.4C -34.3C -34.3C -34.3C -37.4C -14.0C -14.0C -14.0C -15.1C -10.8C -10	* 100 IN PAYV BLT INFEAL 3-720 3-93 3-93 2-869 2-015 1-032 1-129 2-070 2-766 3-7217	INTERM 1500 NET AGE 1500 NET AGE 1509 1226 1501 NET AGE 1	Z/LAM .003 .025 .050 .150 .200 .350 .350 .450 .480
FREQUENCY FREQUENCY FREQUENCY	LISTRIBUTE ALFALVIET / * 300-001 The AG * 7-335 7-379 * 6-026 6-026 6-026 6-026 6-026 6-026 6-026 10-026	1100 OF CLERCY L. * CCE. P. *** 105-12 128-4-C 1108-15 128-4-C 128-4-C 128-4-C 128-16	T AND CHARGE SETAL/8 E *	ETAC + 1.016 C/LAPCAC T CISTATELTION IZEC CATA INFAZ 3.4C -34.3C -34.3C -34.3C -37.4C -14.0C -14.0C -14.0C -15.1C -10.8C -10	. 100 IN PAZV BÜT IN REAL 3-720 3-93-3 2-85-3 2-	INITAG 15.99 -2206 -1.916 -2.588 -3.116 -2.973 -2.467 -1.916 -1.916 -1.916 -1.916 -1.916 -1.916 -1.916 -1.916 -1.916 -1.916 -1.916 -1.916	Z/LAM) *003 *025 *050 *150 *250 *350 *350 *450 *450 *450 *000 *000
792 792 792 792 792 792 792 793 793 793 793 793 793 793 793 793 793	LISTRIBUTE ALFALVIET / * 300-001 The AG * 7-335 7-379 * 6-026 6-026 6-026 6-026 6-026 6-026 6-026 10-026	118h OF CURREY A. * *CCE. P-2	T AND CHARGE SETAL/8 E *	ETAC + 1.016 C/LAPCAC T CISTATELTION IZEC CATA INFAZ 3.4C -34.3C -34.3C -34.3C -37.4C -14.0C -14.0C -14.0C -15.1C -10.8C -10	. 100 IN PAZV BÜT IN REAL 3-720 3-93-3 2-85-3 2-	INTRAG	Z/LAMD -003 -025 -020 -150 -250 -250 -350 -350 -450 -450 -450 -021 -021
FREQUENCY FREQUENCY	LISTRIBUTE ALFALATETA - 300-007 - 30	1100 OF CURREY AL	T AND CHARGE SETAL/8 E * .cc7 ASUREC CLOREC, ASURE	ETAC + 1.C16 D/LAFDAC TO DISTRIBUTION IZEC DATA INFAZ 8.4C -34.3C -52.1C -52.1C -57.1C -10.8C -110.8C -11	. 100 IN PAZV BÜT IN REAL 3-720 3-93-3 2-85-3 2-	INITAG INITAG	2/LAPD -003 -025 -050 -100 -250 -350 -360 -360 -360 -050 -050 -050 -050 -050
FREQUENCY FREQUENCY 1004 1045 10	LISTRIBUTE ALFALVETA STO-OCT RAN DI IND AG 7-235 7-279 7-151 6-164 6-164 6-164 6-165 6-16	118h OF CURREN L * CCEA L * CCEA L * CCEA L * CCEA L * ME L * CCEA L * ME L * CCEA L * ME L * CCEA L *	T AND CHARGE	ETAC * 1.016 D/LAFDAC TO ISTRIBUTION IZEC CATA 8.4C -3.4C -14.4CC -12.3C -13.3C -13.3C -15.3C -15.3	110c 110c 11 PAY 81T 11 PAY 81T 11 PAY 81T 12 PAY 81T 1	INTEREST OF THE PROPERTY OF TH	2/LAPD -003 -025 -050 -100 -250 -350 -360 -360 -360 -050 -050 -050 -050 -050
FREQUENCY FREQUENCY	LISTRIBUTE AL FALLET AL FA	118h OF CURREN L * CCEA L * CCEA L * CCEA L * CCEA L * ME L * CCEA L * ME L * CCEA L * ME L * CCEA L *	T AND CHARGE	ETAC + 1.C16 D/LAFDAC T DISTRIBUTION IZEC CATA INFAZ \$4.00 -34.30 -52.10 -5	11/Ca 11/Ca	NIFAG INIFAG INIFAG	Z/LAPD -003 -025 -100 -150 -200 -300
### ##################################	LISTRIBUTE ALFALVETA STO-OCT RAN DI IND AG 7-235 7-279 7-151 6-164 6-164 6-164 6-165 6-16	118h OF CLRACY A. * CCEA. P. *** 128 - C. ** 128 - C. * 128 - C. ** 128 - C. ** 128 - C. ** 128 - C. ** 128 - C. *	T AND CHARGE	ETAC * 1.C16 D/LAFDAC T DISTRIBUTION IZEC DATA INFAZ 8.4C -3.6C0 -3.4.3C -52.1C -77.6C0 -110.8C -125.2C -1	110c 110c 11 PA/V 81T 110c 11 PA/V 81T 110c 11 PA/V 81T 110c 11 PA/V 81T 11 PA	INTRAG - 500 INTRAG - 549 - 226 - 4556 - 2-186 - 3-112 - 3-267 - 4-30 - 1-30 - 2-759 - 4-30 - 1-3	Z/LAPD/ -003 -025 -100 -150 -200 -350 -36
### COLENCY ### C	LISTRIBUTE ALFALARETA - 300-00F - 300-00F - 306 - 7-279 - 101 - 0-26	118h OF CURREN L * CCEA L * CCEA L * CCEA L * CCEA L * ME L * CCEA L * ME L * CCEA L * ME L * CCEA L *	T AND CHARGE	ETAC + 1.C16 D/LAFDAC T DISTRIBUTION IZEC CATA INFAZ \$4.00 -34.30 -52.10 -5	11/Ca 11/Ca	NIFAG INIFAG INIFAG	Z/LAF0 -003 -025 -050 -100 -150 -250 -250 -350 -450

	ALFAL/BETA	L0310	BETAL/BE	TAC . 1.016	L1/LAP	DAC . 1.500	
FREGUENC	y . 300-00	Z PE	.067	CILAPDAC	250	RL . 290.00	OHPS
		A. MEA	SURED CLARENT	DISTRIBUTION	IN PARY BLT		
	9A- 0		MORMAL	ZEC CATA		* 200	
···	IHM AG	IRFAZ	INMAG	INFAZ	INREAL	INIMAG	Z/LAMDA
500	7.718	130.70	3.40C	10.70	3.341	069	·003
29	7.309	108.40	3.550	-11.60	3 - 15 -	-1.563	•050 •100
457	0.992	89.50	3.08C	-3C - fic	2.654	-1.563	-150
.86	0.074	71.30 52.60	2.9+0	-48.7C	1.940	-2.603	.200
115	0.000	33.00	2.660	-87.00	.140	-2.676	.250
172	5.057	12.40	2.580	-107.20	763 -1-595	-2.465	·300
.500	5.457	-8.20	2.580	-128.2C	-5-553	-1.377	.400
258	50.160	**7.00	2.680	-147.00	-2-411	603	.450
286	0.401	-64.60	2.820	-184.8C -2C1.5C -217.8C	-2-610	.236	•500 •550
315	0.265	-81.50 -97.80	2.760	-201.50	-2-568 -2-149 -1-595 770	1.012	•600
372	6.174	-114.50	2.660		-1-5-5	2.166	-650
	5.811	-132.50 -151.30	2.500	-252.5C -271.3C -291.5C	-1-595 770 -056 -887 1-619	2.442	•700 •750
*01 *30	5.630	-151-30	2.480	-271.3C	.056	2.252	-800
458	5.493	-171.50 -192.00	2.420	-312.00	1:419		-850
515	5.539	-211.50	5.450	-312.CO		1 - 164	.900
.5**	5.675	-23C.CO		-35C.CC -367.8C -383.2C -4CC.CC	5.465	358	1.000
.573	5.993	-247.80	2.6.0	-367.80	2.616 2.427 2.022	-1.697	1.050
.601 .630	5.993	-263.20	2.6.0	-+CC-CC	5.055		1 - 100
659	5.457	-295.8C	2.580	-415.8C	1.05C	-2-134 -2-435	1.150
687	5.766	-313.50	2.540	-+33.50 -+52.20	-721	-2.498	1.250
716	5.463	-332.20	2.500	-472-00	892	-2.207	1 - 300
.773	5.403	-371.6C	2.380	-491.60	-1-580	-1.780	1.350
-802	5.357	-392.00	2.300	-512.CC	-2.08.	-1-108	1.400
.830 .85n	5.403	11.5C 27.7C	5.40C		-2-359	.319	1 . 484
		B. MEASU	RED CHARGE CI	STRIBLTION IN	FICCOLL/VOLT-	•	
	9A~ 5	DATA	NORMAL	IZEC CATA			
2/4	SRIAS	GRFAZ	CHAG	GREAZ	GNREAL	CVIMAG	Z/LAPDA
.003	9.999	-8.00 -14.70	18.000	-8.CC	17.825	-2-505	.006
. 29	0.149	-23.20	11.080	-23.20	10.184	-4.365	.050
. 57	5.353	-42.40	10.000	-42.40	7.385	-6-743	-100
. 56	3.172	-61.9C	9.680	-61.5C	4.559	-8-539 -9-587	·150
•115 •143	5.450	-80.50 -98.10	9.820	-80.50	1.604	-9-722	•250
		-1170		-98.10 -114.70 -130.60 -147.40	-1.384	-8-831	• 300
.172	5.395	-130.00	9.720 9.500 9.000	-130.60	-6.326	-7-380	• 350
·172	5 · 295 • · 995	-147.45 -164.80	9.540	-147.40	-8.037	-5-140	• • • • •
		-183.60	3000	-183-60	-8.685 -8.403 -7.587	-2.360	•500
·200 ·229 ·258	***73		8.280	-183.60 -203.60	-7.587	3.315	.55
·200 ·229 ·258 ·258	***73 ***95	-203.60					•600
.250 .258 .286 .315	**595 **595	-5500	8.280	.224.00	-5.956	2	
.258 .258 .286 .315 .344	**595 **595	-22**00	8.240	-224.00	-3.699	7.452	•65g
.200 .229 .258 .286 .315 .344 .372	**595 **595	-22*.00 -243.60 -262.50 -279.80	8.240	-224.00 -243.60 -262.50 -279.80	-3.699 -1.128	7 • 452 8 • 566 8 • 652	•650 •700 •750
.200 .229 .258 .286 .315 .344 .372 .401 .430	**595 **595 **618 **795 ***73	-22**00 -243.60 -262.50 -279.80 -296.50	8.240 8.320 8.640 8.780 8.920	-224.00 -243.60 -262.50 -279.80	-3.699 -1.128 1.494 3.980	7 • 452 8 • 566 8 • 652	•65: •70: •75:
.200 .229 .258 .286 .315 .314 .372 .401 .436 .458		-22*.00 -243.60 -262.50 -279.80 -296.50 -312.80	8.240 8.320 8.640 8.780 8.920 8.820	-224.00 -243.60 -262.50 -275.80 -296.50 -312.80	-3.699 -1.128 1.494 3.980 5.993	7.452 8.566 8.652 7.983 6.472	•650 •700 •750 •800 •850
.200 .229 .258 .315 .315 .34 .372 .401 .430 .430 .515		-224.00 -243.60 -262.50 -279.80 -296.50 -312.80 -329.50	8.240 8.320 8.640 8.780 8.920 8.820	-224.00 -243.60 -262.50 -275.80 -296.50 -312.80 -329.50	-3.699 -1.128 1.494 3.980 5.993 7.289	7.452 8.566 8.652 7.983 6.472 4.294 1.736	*65; *70; *75; *80; *85; *90;
.200 .229 .258 .315 .315 .344 .372 .401 .458 .458 .458 .458		-22*.00 -243.60 -262.50 -279.80 -296.50 -312.80 -329.50 -347.50	8.240 8.320 8.640 8.780 8.920 8.820	-224.CC -243.6C -262.5C -279.8C -296.5C -312.8C -329.5C -347.5C	-3.699 -1.128 1.494 3.980 5.993 7.289 7.830 7.689	7.452 8.566 8.652 7.983 6.472 4.294 1.736	*65; *70; *75; *80; *85; *95;
.200 .229 .258 .315 .315 .344 .372 .401 .458 .458 .458 .458		-22*.00 -243.60 -262.50 -279.80 -296.50 -312.80 -329.50 -347.50	8 - 2 A C 8 - 3 2 C 8 - 6 2 C 8 - 7 8 C 8 - 8 2 C 8 - 8 2 C 8 - 6 2 C 7 - 7 - 6 C	-224.CC -243.6C -262.5C -275.8C -296.5C -312.8C -325.5C -347.5C -366.6C	-3.699 -1.128 1.496 3.98c 5.993 7.289 7.83c 7.689 6.736	7 - 452 8 - 562 7 - 983 6 - 729 1 - 736 899 - 3 - 432	*65 *70 *75 *80 *85 *90 *95
.209 .229 .258 .286 .315 .372 .401 .458 .487 .515 .514 .514 .514 .601		-22*.00 -243.50 -262.50 -279.80 -296.50 -312.80 -347.50 -366.60 -387.00	8 - 24 c 8 - 32 c 8 - 64 c 8 - 73 c 8 - 82 c 8 - 82 c 8 - 82 c 7 - 74 c 7 - 56 c 7 - 56 c	-224.CC -243.6C -262.5C -279.8C -296.5C -312.8C -329.5C -347.5C	-3.699 -1.128 1.494 3.980 5.993 7.289 7.830 7.689	7.452 8.562 7.983 6.472 4.294 1.736 890 -3.432 -5.602 -7.280	*65: *70: *75: *80: *90: *95: 1:00: 1:05: 1:15:
.200 .229 .258 .315 .315 .344 .372 .401 .458 .487 .515 .544	- F95 - 595 - 618 - 795 - 795	-22*.00 -243.60 -262.50 -279.80 -299.50 -312.80 -329.50 -347.50 -367.00 -47.00 -487.40	8 - 24 c 8 - 32 c 8 - 6 - 6 8 - 7 - 7 8 - 8 - 8 - 6 8 - 6 - 6 7 - 7 - 6 7 - 9 - 2 8 - 2 - 6 8 - 2 - 6 7 - 9 - 2 8 - 2 - 6 8 - 2 - 6 8 - 8 - 6 7 - 9 - 6 8 - 8 - 6 7 - 9 - 6 8 - 8 - 6 7 - 9 - 6 8 - 8 - 6 7 - 9 - 6 8 - 8 - 6 8 - 8 - 6 7 - 9 - 6 8 - 8 - 6 8 - 8 - 6 8 - 8 - 6 8 - 8 - 6 8 - 8 - 6 8 - 7 8 - 6 8 - 6 8 - 6 8 - 6 8 - 7 8 - 8 8	-224.00 -243.60 -262.50 -275.80 -375.80 -325.50 -347.50 -366.60 -377.00 -477.00	-3.699 -1:28 1.99 3.980 5.993 7.289 7.830 7.689 6.736 5.224 3.120	7-452 8-566 8-652 7-983 6-472 4-294 1-736 890 -3-432 -5-602 -7-280 -8-253	.65 .70 .75 .85 .90 .95 1.00 1.05 1.10
200 229 258 286 314 372 436 4372 458 458 515 515 659 668 676		-22*.00 -243.50 -262.50 -279.60 -312.80 -329.50 -317.50 -360.50 -367.50 -467.60 -486.80	8 - 2 A c 8 - 3 2 c 8 - 6 4 c 8 - 7 8 c 8 - 8 2 c 8 - 8 2 c 8 - 6 2 c 7 - 7 - 6 6 c 7 - 9 2 c 8 - 2 8 c 8 - 2 8 c 8 - 2 8 c 8 - 2 8 c 8 - 2 8 c 8 - 2 8 c 8 - 2 8 c 8 - 3 2 c 8 - 4 6 c 8 - 6 2 c 7 - 7 - 6 6 c 7 - 9 2 c 8 - 2 8 c 8 c 8 c 8 c 8 c 8 c 8 c 8 c 8 c 8 c	-24.00 -243.60 -262.50 -275.80 -325.80 -327.50 -366.60 -327.00 -47.00 -47.00 -45.80	-3.699 -1:128 1.994 3.98c 5.993 7.289 7.830 7.689 6.736 5.224 3.120	7 + 52 8 - 562 7 - 983 6 + 72 4 - 294 1 - 736 - 1890 - 3 + 32 - 5 - 602 - 7 - 280 - 8 - 253 - 8 - 253	.65: .70: .85: .95: 1.00: 1.05: 1.10: 1.15: 1.20: 1.25:
-200 -258 -258 -258 -231 -372 -435 -435 -435 -435 -637 -636 -6587 -7165		- 22 - 00 - 243 - 60 - 252 - 50 - 279 - 80 - 312 - 50 - 325 - 50 - 347 - 50 - 347 - 60 - 467 - 60 - 462 - 80 - 479 - 90	8 - 24 c 8 - 32 c 8 - 94 c 8 - 73 c 8 - 82 c 8 - 62 c 7 - 7 - 66 c 7 - 92 c 8 - 28 c 8 - 46 c 8 - 46 c 8 - 46 c	-24.00 -243.60 -262.50 -275.80 -325.80 -327.50 -366.60 -327.00 -47.00 -47.00 -45.80	-3.699 -1.28 1.994 3.986 5.993 7.289 7.487 6.736 5.224 3.120 6.644 -1.874	7-452 8-566 8-652 7-983 6-472 4-294 1-736 890 -2-432 -7-280 -8-253 -8-250 -7-466	-65: -70: -75: -80: -85: -90: 1-00: 1-15: 1-20: 1-25: 1-30:
.209 .259 .286 .286 .315 .344 .372 .451 .458 .554 .554 .557 .651 .659 .667 .775		-22.00 -243.50 -279.50 -279.50 -312.80 -329.50 -366.60 -367.00 -467.00 -462.80 -479.90	8 - 2 A c 8 - 3 2 c 8 - 6 - c 8 - 7 2 c 8 - 8 2 c 8 - 8 2 c 8 - 6 2 c 7 - 7 - c 7 - 5 6 c 7 - 9 2 c 8 - 8 2 c 8 - 8 2 c 8 - 2 8 c 8 - 2 8 c 8 - 2 8 c 8 - 2 8 c 8 - 2 8 c 8 - 8 2 c 8 c 8 c 8 c 8 c 8 c 8 c 8 c 8 c 8 c 8	-24.00 -24.50 -25.50 -275.60 -325.50 -325.50 -347.50 -477.00 -475.80 -475.80 -475.80	-3.699 -1.28 1.994 3.986 5.993 7.289 7.487 6.736 5.224 3.126 6.644 -1.874 -4.397 -6.693 -8.667	7.452 8.566 8.652 7.983 6.472 4.294 1.736 892 -3.432 -5.602 -7.280 -8.253 -8.250 -7.446 -6.126	+650 -700 -751 -800 -850 -950 1-001 1-051 1-201 1-251 1-301 1-301
-200 -258 -258 -258 -231 -372 -435 -435 -435 -435 -637 -636 -6587 -7165		- 22 - 00 - 243 - 60 - 252 - 50 - 279 - 80 - 312 - 50 - 325 - 50 - 347 - 50 - 347 - 60 - 467 - 60 - 462 - 80 - 479 - 90	8 - 2 A c 8 - 3 2 c 8 - 6 - c 8 - 7 2 c 8 - 8 2 c 8 - 8 2 c 8 - 6 2 c 7 - 7 - c 7 - 5 6 c 7 - 9 2 c 8 - 8 2 c 8 - 8 2 c 8 - 2 8 c 8 - 2 8 c 8 - 2 8 c 8 - 2 8 c 8 - 2 8 c 8 - 8 2 c 8 c 8 c 8 c 8 c 8 c 8 c 8 c 8 c 8 c 8	-24.00 -243.60 -262.50 -275.80 -325.80 -327.50 -366.60 -327.00 -47.00 -47.00 -45.80	-3.699 -1.128 1.454 3.586 5.593 7.289 7.855 6.736 5.224 -664 -1.874 -4.397 -6.992 -8.007	7-452 8-566 8-652 7-983 6-472 4-294 1-736 890 -2-432 -7-280 -8-253 -8-250 -7-466	.65: -70: -75: -80: -85: -95: 1:00: 1:15: 1:20: 1:20: 1:35:

	77.000.000	TION OF COMME	T AND CHARGE	BY BEAFWARE .	MIENNA DVEN	PCAG . 1.000	
	ALFAL/HET	AL0310	BE TAL/E	DYLAPDAC	***	RL . 29C.0	
FREGU	ENCY . 300-00			T DISTRIBUTION			June
			EASONED CONNEN	IZEC CATA	The case of		
		IRFAZ	INHAG	INFAZ	INREAL	INIPAG	Z/LAMDA
2/4	IRM AG	INP AZ	INFAG		4.40		•003
.002	0.1.3 7.520 7.209 6.604		3.660 3.340 3.240 3.060	8.00 -3.00 -13.50	3.424 3.375 3.150	.509 177 756	.025
*12 * O	7.209	111.50	3.240	-13.50	3-150	-1.667	-050 -100
.120	6.497	72.90		-33.00 -52.10	1.794	-2.3C*	.150
.101	5.963	53.20	2.760	,71.8C	.865	-2.622	.200
.201	5.963	33.30	2.640	-91.80 -91.70 -112.40 -132.60	-1-01-	-2.459	·300
.281	5.918	53.2c 33.30 12.6c -7.6c -27.0c -65.0c -62.8c -97.6c -11.6c -13.8c -15.7c	2.660	-132.60	080 -1 · 01+ -1 · 800 -2 · 366 -2 · 659 -2 · 77+ -2 · 795 -2 · 032 -1 · 380 -612 -68	-1.958	• 350
.361	5.963	5-00	2.700	-170.00	-5.659	-1.258	**50
1	6.230 6.141 6.141 5.963	-62.80	2.800	-187.80	-2.774	.360 1.160	-550
.482	0.1.1	-97.60	2.760	-555.60	-5.035	1.868	.600 .650
.522	5.963	-114.00	2.640	-235 · CC	-1-380	2.609	.700
.502	5.963 6.008 5.740	-150.70	2.700	-275.70	.568	2.687 2.351 1.897 1.199	.750
.6.2	5.7.9	-169.30	2.560	-294.30	1.062	2.351	.800 .850
.722	5.830	-207.30	2.580	-332.30	5.58.	1.199	.900
.762	5.096	-131.60 -150.70 -169.30 -188.60 -207.30 -225.60 -241.30	2.76C 2.66C 2.66C 2.56C 2.56C 2.56C 2.56C 2.56C	- 132.60 - 152.00 - 170.00 - 187.60 - 205.30 - 222.60 - 235.00 - 255.70 - 294.30 - 313.60 - 322.30 - 366.30	612 268 1-062 1-807 2-284 2-526 2-425	268	.950
				ISTRIBUTION IN			
	941	B. MEAS		IZED DATA	-: (
2,4	GR™AG				GAREAL	CNIMAG	Z/LAMDAD
.005	7.201 6.356 5.757	-8.00	18.700 13.460 11.880 10.760	-8.00	18.518 13.031 10.960	-2.603 -3.370 -4.585	.006
.020	7.201	-14.50	13.460	-8.00 -14.50 -22.70	13.031	-3.370	.050
.000	5.757	-+1-00	10.760	-41.00		-7.059	•100 •150
.120		-58.90	10.3ac	-58.90 -76.80	5.362	-8.888	•150
.161	5.500 5.350	-94.00	10.000	-94.00	698	-10.008 -9.976	·200
185.	5.350 5.254 5.200	-111.60	9.820	-111-6C	-3.615	-9.130 -7.628	·300
.321	4.954	-146.30	9.200	-146.3C	-7.709	-5-138	••00 ••50
.361		-165.00	8.880	-165.CC	-8.577	-2.296	• • 50
.+C1	**************************************	-200	8.400	-184.40	-7.832	3.553 6.017	•500 •550 •600
.482	*****	-550	8.400	-554.40	-6.1**	4.017	•600 •650
.562	***01	-259.60	8.400	-241.00 -255.60	-1.552	7.522	•700
.602	4.554	-277.cc	8.700	-277.CO	1.060	8 · 635	•750 •800
.662	- 407	-313.10	8.780	-313.10	5.999	6.411	.850
.722	****	-333.20	8.200	-333.20 -354.80	7.765	6.411 3.923 .856 -:-882	•900 •950
.792	5.(50	GPFAZ -8.00 -14.50 -22.00 -22.00 -24.00 -27.00 -114.00 -22.40 -22.40 -23.20 -23.20 -33.20 -33.20 -33.20 -33.20 -33.20	11-84C 10-78c 10-28c	-369.50	2-3-7 -3-615 -6-024 -7-79 -8-577 -8-577 -8-378 -1-552 1-06C 3-883 5-999 7-765 9-401	-1-882	.987
		ION OF CURRENT	AND CHARGE O	N BEVERAGE AN	TENNA OVER FR	ESH MATER	
FREGUE	ALFAL/BETA	184 8F CURRENT	BETAL BE	TAC - 1-C16	LIZEAF	.500	ėnrs
FREGLE		18% 8F CURRENT	BETAL/BE	TAC - 1-C16	250	ESF *ATER CAO • .500 RL • 290-00	OHFS
	ALFAL/BETA	18N 8F CURRENT	BEYAL/BE	TAC . 1.016 D/LAPDAC DISTRIBUTION ZEC CATA	250 IN MAZY BLT	CAO • •500 RL • 290•00	
·/~	ALFAL/BETA NCY - 300-00M RA+ 0A IRM AG	18N 8F CURRENT L • • 0310 HZ PE A• MEA	BEYAL/BE	TAC = 1.016 E/LAPCAC DISTRIBUTION ZEC CATA INFAZ	LINCAP. 250 IN MAZV OLT INPEAL	RL - 290-00	Z/LAMDAO
.004	ALFAL/BETA NCY - 300-00M RA+ 0A IRM AG	18N 8F CURRENT L • • 0310 HZ PE A• MEA	BEYAL/BE	TAC = 1.016 E/LAPCAC DISTRIBUTION ZEC CATA INFAZ	LINCAP. 250 IN MAZV OLT INPEAL	RL - 290.00	2/LAMCA0
.004	ALFAL/BETA NCY - 300-00M RA+ 0A IRM AG	18 OF CURRENT L • .0310 HZ PE A. MEA TA IRFAZ 132.30 120.50 125.70	BEYAL/BE	TAC = 1.016 E/LAPCAC DISTRIBUTION ZEC CATA INFAZ	LINCAP. 250 IN MAZV OLT INPEAL	RL - 290.00	Z/LAMDAO •003
/H •004 •034 •67 •134	ALFAL/BETA MCY • 30G-00M FAN DA IRM AG 6-194 5-434 5-456 5-47	18 OF CURRENT L • .0310 HZ PE A. MEA TA IRFAZ 132.30 120.50 125.70	BETALZEE COT SUREC CURRENT NORMALI INMAG 3-463 3-203	TAC = 1.016 D/LAPGAC DISTRIBUTION ZEC CATA INFAZ 7.30 -4.20 -15.30	LINCAP. 250 IN MAZV OLT INPEAL	RL - 290.00	Z/LAMDAO •003 •025 •050 •100
.004 .034 .067 .134 .261	ALFAL/BETA NCY - 300-00M RA+ 0A IRM AG	18N 8F CLRRENT L • .031C #Z PE A. MEA 18F AZ 132.90 120.40 109.70 90.20 71.70 53.30	BETAL/BE BETAL/BE BETAL/BE BETAL/BE BETAL/BE BETAL/BE BETAL/BE BETAL/BE BETAL/BE BETAL/BET	TAC = 1.016 D/LAPGAC DISTRIBUTION ZEC CATA INFAZ 7.30 -1.20 -15.30 -71.70	11/CAP 250 IN MAZV BÉT INREAL 3.952 3.271 3.087 2.513 1.797	1NIFAG2222222	Z/LAMDAO •003 •025 •050 •100 •150 •200
.004 .034 .67 .134 .201 .268 .335	ALFAL/BETA NCY - 300-00M RA- DA 19H Ag 0-19+ 5-83 5-96 5-47 5-23	18N 6F CL9RENT L • .031C HZ	BETAL/BE * * COP SUREC CURRENT NORMALI INMAG 3.482 3.482 3.482 3.482 3.482 3.482 3.482 3.482 3.482 3.482 3.482 3.482 3.482 3.482	TAC = 1.016 D/LAPGAC DISTRIBUTION ZEC CATA INFAZ 7.30 -1.20 -15.30 -71.70	11/CAP 250 IN MAZV BÉT INREAL 3.952 3.271 3.087 2.513 1.797	INITAG 290.00 INITAG202020202020202020	Z/LAMDAO •003 •025 •050 •100 •150 •250
.004 .034 .067 .134 .201 .263 .335 .402	ALFAL/BETA RA- DA IRH AG 0-194 5-434 5-437 5-427 5-126 	18N 6F CL9RENT L • .031C HZ	BETAL/BE * * COP SUREC CURRENT NORMALI INMAG 3.482 3.482 3.482 3.482 3.482 3.482 3.482 3.482 3.482 3.482 3.482 3.482 3.482 3.482	TAC = 1.016 D/LAPGAC DISTRIBUTION ZEC CATA INFAZ 7.30 -1.20 -15.30 -71.70	11/CAP 250 IN MAZV BÉT INREAL 3.952 3.271 3.087 2.513 1.797	INIPAG INIPAG	Z/LAMDAO •003 •025 •050 •100 •150 •200
.004 .034 .067 .134 .263 .335 .402 .409 .536	ALFAL/BETA RAN DA INN AG 0-194 5-494 5-497 5-293 5-128 	18N 6F CL9RENT L • .031C HZ	BETAL/BE * * COP SUREC CURRENT NORMALI INMAG 3.482 3.482 3.482 3.482 3.482 3.482 3.482 3.482 3.482 3.482 3.482 3.482 3.482 3.482	TAC = 1.016 D/LAPGAC DISTRIBUTION ZEC CATA INFAZ 7.30 -1.20 -15.30 -71.70	11/CAP 250 IN MAZV BÉT INREAL 3.952 3.271 3.087 2.513 1.797	INIPAG 	Z/LAMDAO •003 •025 •050 •100 •150 •250
.004 .034 .067 .134 .201 .263 .335 .402	ALFAL/BETA RA- DA IRH AG 0-194 5-434 5-437 5-427 5-126 	18N 6F CL9RENT L • .031C HZ	BETAL/BE	TAC = 1.016 D/LAPGAC DISTRIBUTION ZEC CATA INFAZ 7.3C -15.3C -51.3C -71.7C	LINCAP 250 IN MAZV OLT INPEAL	INIPAG INIPAG	Z/LAMDAO •003 •025 •050 •100 •150 •250
.004 .034 .067 .134 .263 .263 .335 .402 .469	ALFAL/BETA PA- DA INH AG 0-194 0-434 0-496 0-496 0-735 0-628 0-521 0-521	IBN OF CURRENT L • .031C #Z	BETAL/BE BETAL/BE CO) SURED CURRENT NORTHALI INMA 3.480 3.480 3.480 2.990 2.990 2.480 2.900 2.500 2.500 2.500 2.500 2.500 2.500 2.500 2.500 2.500 2.500 2.500 2.500 2.500	TAC = 1.016 D/LAPCAC CISTAIBLTION ZEC CATA INFAZ 7.3C -4.2C -15.3C -3.4C -5.3C -5.4C -10.2C	INBEAL 3-952 3-971 3-952 3-971	INITAG500 INITAG290200	Z/LAMDAO •003 •025 •050 •100 •150 •250
**************************************	ALFAL/BETA RAN DA INN AG 0-194 0-194 0-195 0-	100 OF CURRENT L • -031C A. HEA 18FAZ 138-30 120-30 120-30 120-30 130-30 140-	BETAL/BE CS7 SURED CLERENT NERFALI IMAG 3-180 3-18	TAC = 1.016 D/LAPGAC CISTRIBLTION ZEC CATA 1NFAZ 7.3C -13.2C -13.2C -13.2C -13.2C -11.2C -11.2C -11.2C -12.2C -1	11/14P - *250 IN MA/V SLT INSEAL 3-952 3-271 3-087 2-513	INITAG	Z/LAMDAC +003 +025 +050 +100 +2
.004 .034 .034 .063 .201 .203 .335 .409 .536 .536 .499	ALFAL/BETA ALFAL/BETA RA- DA INN AG 0:19* 0:49	10N OF CURRENT L = -031C HZ	AND CHARGE 6 BETAL/RE 1 - (CS) SURED CLURENT NSHFELI IMPAG 3 - (CS) 1 - (CS	TAC = 1.016 D/LAPGAC CISTRIBLTION ZEC CATA 1NFAZ 7.20 -13.20 -13.40 -13.40 -10.40	1.8EAL 3.952 1.8EAL 3.952 3.257 3.087 2.513 1.757 -1.671 -2.202 -2.203 2.503 2.503 1.757 1.75	INITAG	Z/LAMDAO -003 -025 -050 -100 -100 -150 -250 -250 -250 -350 -484
-004 -034 -037 -063 -201 -335 -409 -536 -536 -603 -749	ALFAL/BETA ALFAL/BETA RA- DA INN AG 0:19* 0:49	10N OF CURRENT L = -031C HZ	AND CHARGE 6 BETAL/RE 1 - (CS) SURED CLURENT NSHFELI IMPAG 3 - (CS) 1 - (CS	TAC = 1.C16 DYLAPCAC DISTRIBUTION ZEC CATA TAGE 1NFAZ 7.3C -4.2C 15.3C -71.7C -92.3C -71.7C -92.3C -11.7C -10.4C -11.7C -10.4C -11.7C -10.4C -11.7C -10.4C -11.7C -10.4C 1.00 A PAY OLT INBEAL 3-552 3-271 3-087 2-513 1-797	INITAG	Z/LAMDAC +003 +025 +050 +100 +2	
.004 .034 .067 .134 .263 .335 .402 .402 .402 .403 .449	ALFAL/BETA ALFAL/BETA RA- DA INN AG 0:19* 0:49	10% OF CLURENT L * -031C *** PE *** TA 138-30 105-70 10	AC CHARGE 6 BETAL/RE 1 - (CS) SURED CLERENT NEPALI IMPAQ 3 - 45 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 -	TAC = 1.C16 D/LAPGAC CISTRIBUTION ZEC CATA 1NFAZ -1.2C -151.3C -21.3C	1.00 A PAY OLT INBEAL 3-552 3-271 3-087 2-513 1-797	INITAG	Z/LAMDAC .003 .005 .005 .005 .005 .100 .200 .200 .200 .300 .4
.004 .034 .067 .134 .261 .263 .409 .536 .409 .549 .549 .067 .037 .037	ALFAL/BETA RAN DA INN AG 0-194 0-194 0-195 0-	16% OF CLURENTS L031C MZ	AC CHARGE 6 BETAL/RE 1 - (CS) SURED CLERENT NEPALI IMPAQ 3 - 45 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 -	TAC = 1.C16 DYLAPCAC DISTRIBUTION ZEC CATA TAGE 1NFAZ 7.3C -4.2C 15.3C -71.7C -92.3C -71.7C -92.3C -11.7C -10.4C -11.7C -10.4C -11.7C -10.4C -11.7C -10.4C -11.7C -10.4C - #250 IN PAY BÛT INBEAL 3-952 3-971 3-971 3-971 3-971 3-971 3-971 3-971 3-971 1-797 - 971	INITAG	Z/LAMDAO -003 -025 -050 -100 -100 -150 -250 -250 -250 -350 -484	
**************************************	ALFAL/BETA ALFAL/BETA RA- DA INN AG 0:19* 0:49	10% OF CLURENT L * -031C *** PE *** TA 138-30 105-70 10	AC CHARGE 6 BETAL/RE - (CO) SURED CLERENT NORPHLI IMPAQ 3-46-5 3-26-5 3-26-5 2-46-5	TAG = 1.016 D/LAPGAC CISTAIBLTION ZEC CATA 15-32 -15-30 -15-	17/14 - 1250 IN PAYS DET INMEAL 3-952 3-271 3-047 3-271 3-047 3-271 3-047 - 11-077 - 12-05 - 12-05 INMEAL 3-952 1-727 - 12-05 - 12-05 INMEAL INMEA	INIFAG	Z/LAMDAC .003 .005 .005 .005 .005 .100 .200 .200 .200 .300 .4
.004 .034 .067 .134 .261 .263 .409 .536 .409 .549 .549 .067 .037 .037	ALFAL/BETA ALFAL/BETA RA- DA INN AG 0:19* 0:49	10% of CLUBENT 10% of	AC CHARGE 6 BETAL/RE 1 - (CO) SURED CLERENT NORPHLI IMPAQ 3 - 40 - 3 - 20 - 3 - 20 - 2 - 3 - 20 - 2 - 2 - 20 - 2 - 2 - 20 - 2 - 2	TAG = 1.016 D/LAPGAC CISTAIBLTION ZEC CATA 15-32 -15-30 -15-	11/14/ - #250 IN PA/V 017 INPA/V 017 IN	CAL500 RL - 29C-00 INIPAG20020	Z/LAMDAC .003 .005 .005 .005 .005 .100 .200 .200 .200 .300 .4
**************************************	# FAL DA DA DA DA DA DA DA DA DA DA DA DA DA	10% of CLORENT L • 031C #2	AC CHARGE 6 BETAL/RE 1 - (CO) SURED CLERENT NORPHLI IMPAQ 3 - 40 - 3 - 20 - 3 - 20 - 2 - 3 - 20 - 2 - 2 - 20 - 2 - 2 - 20 - 2 - 2	TAC = 1.016 D/LAPGAC DISTRIBUTION ZEC CATA 1NFAZ 7.3C -4.2C -4.2C -4.3C -53.3C -71.7C -50.2C -150.1C -170.2C -150.1C -170.2C -160.1C -170.2C -180.1C -170.2C -180.1C -170.2C -180.1C -170.2C -180.1C -170.2C -180.1C -180	17/4P - #250 IN PAY DET INMEAL 3-952 3-271 3-047 3-271 3-047 3-271 3-047 3-275 1-727 - 10-10 5-10-10 5-10-10 5-10-10 12-10-10 1	INIFAG	Z/LAMDAC .003 .005 .005 .005 .005 .100 .200 .200 .200 .300 .4
2/m .00+ .03+ .067 .13+ .261 .261 .263 .469 .536 .536 .499 2/h .067 .13+ .603 .499 2/h .037 .134 .201 .20	# CAL DATE OF THE PROPERTY OF	10% of CLUBENT 10% of	AC CHARGE 6 BETAL/RE 1 - (CS) SURED CLERENT NEPALI IMPAQ 3 - 45 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 -	TAG = 1.016 D/LAPGAC CISTAIBLTION ZEC CATA 15-32 -15-30 -15-	11/14/ - #250 IN PA/V 017 INPA/V 017 IN	CAL500 RL - 29C-00 INIPAG20020	Z/LAMDAC .003 .005 .005 .005 .005 .100 .200 .200 .200 .300 .4

	ALFAL/BET	AL C660	BETAL/8	ETAC . 1.109	L1/LA	PDA0 . 1.500	
FREGLE	ENCY . 300.00	P+2 P	E . 2.885	DILAMBAC	· .cic	RL - 180-0	COBHES
		A. ME	ASURED CLAREN	T CISTRIBLTION	IN MAJY BLT		
	RAN D	ATA	NORMAL	IZEC CATA			
/-	IRN AG	IRFAL	INPAG	INFAZ	INREAL	INITAG	Z/LAMO
.002	9.890	122.70	5.9-0	10.70	5 • 837 5 • 76c 5 • 590 • • 686	1.103	.003
.014	9.590	112.40	5.760	••0	5.760	•040	-025
. 58	9.457	101.80	5.680	-1C.2C	5.590	-1.006	-050
. 87	8.654	61.00	5.200	-29.8c	3.272	-4-041	·100
.116	***55	39.30	5.080	-72.7c	1.511	***850	.500
.: 45	0.353	18.50	5.020	-93.50	306	-5-011	.250
.174	8.35A	-1.3c	5.020	-113.30	-1-986	-4-611	-300
.203	4.354	-20.00	5.020	-132.00	-3-359	-3.731	.350
.535	8.258	-38.50	4.960	*15C . 5C	-4-317	-2.442	00
.261	7.492	-57.30 -77.80	*.7-C	-165.30 -189.80	-4-658	880	50
.319	6.393	-98.60	208.0	-210.60	-4-533	2.138	·500
.348	0.693	-120.30	250.0	-232.30	-2-458	3.181	•600
.377	6.593	-141.60	**650	-253.60	-1-135	3.856	.650
.406	6.633	-162.50	**020	-274.50	.315	3.670	·700
	6.693	-182-10	**020	-294.10	1 - 6 + 1	3.670	.750
. 464	6.693	-200.60 -218.70 -237.20	**050	-312-60	2.721	2.959	-800
.522	6.560	-210.70	3.700	-33C -7C	3.436	1.928	·850 ·900
.551	5.694	-256.80	3.420	*368.8c	3.634	.693	•950
.583	5.395	-278.50	3.240	300	2.792	-1-644	1.000
.609	5.161	-300-60	3.100	-412.60	1 - 883	-2.463	1.050
.038	5.161	-324.60	3.100		.718	-3-016	1-100
.667	5.161	-344.4C	3-100	-456.40	346	-3-081	1-150
.695	5.295	-364.00	3.180	-476.CC	-1-394	-2.858	1.500
.753	5.395	-381.80 -400.00	3.240	-493.8c	-2-243	-2.339	1.300
.782	***495	17-80	2.940	-529.80	-2.894	521	1.350
. 911	***96	-+37.70	2.700	-549.70	-2-661	. + 55	1.400
.840	**362	58.60	2.620	-57C - 6C	-2-255		1.450
.660	**196	-475.5C	2.520	-587.5c	-1-702	1.858	1 - 484
		e. FEASO	RED CHANGE DI	STRIBLTION IN	PICCOLL/VOLT-		
	RA- D			IZEC CATA			
2/4	GHMAG	GREAZ		GNFAZ	GNREAL	CHIPAG	Z/LAMDA
.003	9.990	-9.00	27.000	.00	27.000	.000	.006
. 29	7.495	-50.00	55.590	-5.00	55.000	-3.485	.025
. 58	7.592	-38-50	21.340	-2C.CC	20.053	-12.774	-050
. 87	7.541	-58-20	20.350	-58.20	16.059	-17.321	·100
.:16	7.296	-77.00	19.720	-77.CC	4.436	-19-215	.200
.1.5	0.991	-96.00 -115.90	18.900	-96.00	-1-976	-18-796	.250
.174	6.793	-115.90	17.820	-96.00 -115.90 -136.70	-1:976	-16-030	• 300
.203	0.423	-136.70		-136.70	-12.634	-11.900	• 350
.232	6.342	-1580	17.1.0	-158.4C -175.7C	-15.936 -16.880	-6.310	••00
-290	6.2.6	-200-20	16.880	-500-50	-15.8+2	5.829	• • • 50 • 500
.319	6.19.	-219.00	16.740	-215.00	-13.009	10.535	•550
.346	0.098	-237.5c	16.480	-237.5C	-8.855	13.899	•600
.377	5.79.	-256.00	15.660	-256.CC	-3.788	15 - 195	.650
.*06	5.5.3	-275.30	14.980	-275.3C	1.384	14.916	.700
35	5.195	-295.50	14.040	-295.5C	6.044	12.672	. 750
93	*****	-317.80 -340.30	13.360	-317.80	9.897	8.974	• 200
.522	*****	*362.00	13.240	-34C.3C	12.465	4.463 457	.850
.551	*****	-382-10	13.100	-382.10	12.138	-4.929	•950
.580	*****	-40C-7C	13.100		9.932	-8-542	1.000
.609	*****	18.80	13.100	-418.80	6.786	-11-205	1.050
.638	**5**	-436.90	12.280		2.783	-11.960	1.100
.695	**196	56.5c	11-3-0	-456.50	-1-284	-11-267	1.150
.724	3.148	-477.50 -500-10	11.200	•477.90	-5.241	-9-898	1.200
.753	3.618	-500-10	10.400	-50C-10 -522-50	-7.979	-6.671	1.250
.782	3.900	-544.20	10.540	-544.20	-10.512	.772	1.350
	3.944	-563.40	10.660	-563.4C	-9.783	4.234	1.000
.811							
.811 .840 .862	**1**	-581.50 -594.20	11.200	-581.50	-8.388	7.421	1.450

					TENNA OVER		
		AL0460	BETAL/B	ETAC . 1.109	L1/LAP	RL - 180-0	OBHPS
FHEGUE	NCY . 300.00			T DISTRIBUTION			
	RA- D			IZEC CATA			
		IRFAZ	INPAG	INFAZ	INREAL	INIPAG	Z/LAMDAC
2/-	18M AG						
.005	9.495 9.291 9.157 8.258	119.70	6.000 5.580	1.50	5-918	.990 078 -1.087 -2.709	-025
. 82	9.157	109.10	5.500	-11.40 -31.60	5-391	-1.087	*050 *100
.155	0.754	68.30	5.1+C 5.0+C	-52.20 -73.90	3.150	-4-061	•100 •150
.163	6.392	25.80	5.100	-94.7C	-5-135	-5.083	.250
• < • 5	4.558	6.00			-5-135	-2-676	•300
.326	6.059	-31.70	5.04C	-133.2C -151.7C	-3.450	-2.295 753	••00
.367	7.592	6.00 -12.76 -31.70 -50.0	**56C	-17C.E3 -191.00 -211.80	-41497	.832	-500
9	0.793		**080	-211.80	-3.468	2.150	-550
.530	6.560	-113.00 -134.30	3-9-0	-233.50 -254.80 -275.70	-2-415	3.802	-650
.571	6.693	-155.20 -174.80	250.0		1.744 2.727 3.387	3.689	•700
.653	6.560	-193.30	3.9.C	-313.8c -331.9c	2.727	2.844	-800
. 694	5.994	-211.40 -229.90 -249.50	3.840	-35C.4C	3.387	•600	•900 •950
.775	5.561	-249.50	3.520	-37C • CC	3.550 3.467	611 -1.755	•950
.603	5.561	-271.20	3.340	-391.70	2.842	-1./55	.764
				STRIBLTION IN	PICCOUL/VOLT-		
	FA- D			IZEC CATA	GAREAL	CNIMAG	Z/LAMDAO
2,-		GREAZ	CNMAG				
.005	9.862 8.118 7.789	-3.00 -11.50 -21.30	27.020 22.240 21.340	-3.00 -11.50 -21.30	26.983 21.794 19.882	-1-414 -4-434 -7-752 -13-579	•006 •025 •050
.041	7.789	-21.30	21.340	-21.30	19.882	-7.752	•050 •100
.122	7.570	-10.90 -59.50 -78.70	20.740	-+C-9C -59.5C	15.676	-17.646	•150
•163	7.227	-78.70	19.800	-78.7C	3.880	-19-416	.200
.245	0.380	-98.80 -119.50	18.30C 17.48C	-115.50	-8.608	-15-214	•300
.326	9.329	-141.60	17.48C 17.34C 17.06C 16.92C 16.66C 16.66C 16.52C 15.02C	-141.6C	-13.589 -16.315	-10-771	•350
. 367	6.227	-163.00 -184.00 -203.50	16.920	-163.00 -184.00 -203.50	-16.879 -15.278	1.180	• 450
.408	6.381	-203.50	16,660	-222.40	-12.303	11.234	-550
90	0.081	-241.00	16.520	-241.00	-12.3C3 -8.0C9 -2.557	14.449	•600
.571	5.482	-280.30	14,880	-28C-3C	2.661		•700
.612	**986	-301-50 -322-70	13.660	-301.50 -322.70	7.137 10.755	11.647 8.193	-750
.694	••935 ••935		13.520	-245.10	13.065		-850
.775	5.350	-365.60 -385.80	13.520	-365.6C	13.455	-1.319 -6.415 -9.817	•900
-805	5.360 5.782	-398.30	15.8-0	-358.30	12.431	-9.817	-987
				ON BEVERAGE A			
	ALFAL/BET	AL	BETAL/B	ETAC . 1.109	LIZEA	CAO500	
FREQU		AL0660	BETAL/8	ETAC • 1.109 C/LAPDAC	• •0io		COHES
FREQU	ALFAL/BET	AL = .0660 MHZ P	BETAL/B E . 2.865 ASURED CURREN	ETAC • 1.109 C/LAPDAC T DISTRIBUTION	. +OÍÓ IN MAZY BÉT	CAO500	OBMMS
2/	ALFAL/BET ENCY = 300-00 RAN D IRM AG	AL = .C66C MHZ P A. ME MATA IRFAZ	BETAL/B E = 2.865 ASURED CLRREN NORMAL INMAG	ETAC • 1-109 C/LAPCAC T DISTRIBUTION IZED DATA INFAZ	010 IN MAJV BLT	CAC500 RL - 180-0	
2/	ALFAL/BET ENCY = 300-00 RAN D IRM AG	AL = .C66C MHZ P A. ME MATA IRFAZ	BETAL/B E = 2.865 ASURED CLRREN NORMAL INMAG	ETAC • 1-109 C/LAPCAC T DISTRIBUTION IZED DATA INFAZ	010 IN MAJV BLT	CAC500 RL - 180-0	Z/LAMDA(
•00• •03• •069	ALFAL/3ET ENCY • 300-00 RAN D 19M AG 9-997 9-736 9-551	ALC66C MHZ P A. ME INFAZ 13C.0C 19.2C 108.10	BETAL/8 E = 2.865 ASURED CURREN NORMAL INMAG 3.460 5.320 5.320	ETAC - 1-109 C/LAPGAC T DISTRIBUTION IZEC CATA INFAZ 8-CC -2-8C -13-9C	010 IN MAJV BLT	TAC	Z/LAMDA
.02.	ALFAL/3ET ENCY * 300-00 RAN D IRM AS 9-997 9-736 9-551 9-296	ALC66C MHZ P A. ME INFAZ 13C.0C 19.2C 108.10	BETAL/B E * 2.885 ASUREC CURREN NORMAL INMAG 3.46C 3.32C 3.22C	ETAC = 1-109 C/LAPDAC T DISTRIBUTION IZED CATA INFAZ 8-CC -2-8C -13-9C	IN PA/V OLT IN PA/V OLT IN PA/V OLT IN PA/V OLT IN PA/V OLT IN PA/V OLT IN PA/V OLT IN PA/V OLT IN PA/V OLT	RL - 180-0 RL - 180-0 INIMAG -760 -260 -1254 -2-914	Z/LAMDA:
**************************************	ALFAL/3ET ENCY • 300-00 RAN D 19M AG 9-997 9-736 9-551	ALC66C MHZ P A. ME INFAZ 13C-0C 119-2C 108-10 87-0C 66-57	BETAL/B E * 2.885 ASUREC CURREN NORMAL INMAG 3.46C 3.32C 3.22C	ETAC = 1-109 E/LAPDAC T DISTRIBUTION IZED CATA INFAZ 8-CC -2-8C -13-9C -38-6C -75-8C	IN PA/V OLT IN PA/V OLT IN PA/V OLT IN PA/V OLT IN PA/V OLT IN PA/V OLT IN PA/V OLT IN PA/V OLT IN PA/V OLT	TAC	Z/LAMDA:
.02.	ALFAL/3ET ENCY * 300-00 RAN D IRM A3 9-992 9-736 9-551 9-296 9-79 9-79	AL = .C66C MHZ P A. ME IRFAZ 130.00 108.10 108.10 66.50 66.50 76.80 8.30	BETAL/B E * 2.865 ASUREC CURREN NORMAL INMOS 5.46C 5.32C 5.22C	ETAC = 1-109 E/LAPGAC T DISTRIBUTION IZED CATA INFAZ -2-8C -13-9C -31-9C -31-8C -13-9C -31-8C -31-8C	1NPA/V BLT INPA/V	RL - 180-0 RL - 180-0 INIMAG -760 -260 -1254 -2-914	Z/LAMDA(-003 -025 -050 -150 -150 -250
.02.	ALFAL/AET ALFAL/AET AAN D IRM AS 9.092 9.736 9.553 9.296 9.279 9.479 9.479	AL = .C66C MHZ P A. ME IRFAZ 130.00 108.10 108.10 66.50 66.50 76.80 8.30	BETAL/B E * 2.865 ASUREC CURREN NORMAL INMOS 5.46C 5.32C 5.22C	ETAC = 1-109 E/LAPGAC T DISTRIBUTION IZED CATA INFAZ -2-8C -13-9C -31-9C -31-8C -13-9C -31-8C -31-8C	1NREAL 5-07 5-314 5-07 4-161 1-71 1-71 1-71 1-71 1-71 1-71	RL = 180-0 RL = 180-0 INIMAG -760 -260 -1:254 -2:914 -3:269 -3:567	Z/LAMDA:
2/** ***** ***** ***** ***** ***** ***** ****	ALFAL/SET ALFAL/SET FAN D IPH AG 9-999 9-796 9-551 9-299 9-797 9-179 9-179 9-179 9-179 9-179 9-179 9-179 9-179	AL = .C66C A. ME A. ME IRFAZ 18FAZ 18FAZ 18FAZ 18-10 6-50 6-50 7-64-50 1-30 1-10-40 1-30-90	BETAL/B E - 2.865 ASUREC CLEREN NORMAL INHAG 5.46C 5.22C 5.22C 5.22C 5.22C 5.22C 6.26C 6	ETAC * 1-109 C/LAPDAC T CISTRIBUTION IZEC CATA INFAZ 8.GC -2.8C -13.9C -38.GC -75.8C -75.8C -113.7C -113.7C	010 IN PAPA GUT INREAL 5-07 5-31-6 5-067 4-161 2-93-4 1-1-93-6 -1-93-6 -1-93-6 -1-93-6 -1-93-6 -1-93-6 -1-93-6 -1-93-6 -1-93-6 -1-93-6 -1-93-6	RL = 180-0 RL = 180-0 INIPAG -760 -1250 -1254 -4.259 -4.259 -4.553 -3.567 -2.059	2/LAMDAG -003 -025 -050 -100 -150 -250
2/** **** **** **** **** **** **** ****	ALFAL/AET ALFAL/AET AAN D IRM AS 9.092 9.736 9.553 9.296 9.279 9.479 9.479	AL = .C66C MHZ P A. ME INFA BETAL/B E - 2.865 ASUREC CLEREN NORMAL INHAG 5.46C 5.22C 5.22C 5.22C 5.22C 5.22C 6.26C 6.20C	ETAC * 1-109 C/LAPDAC T DISTRIBUTION INFAZ *-00 -2-80 -38-00 -38-00 -38-00 -13-70 -13-70 -13-70 -13-70 -13-70 -13-70 -13-70 -13-70 -13-70 -13-70 -13-70 -13-70	010 IN PAZV GUT INREAL 5-407 5-316 5-067 4-161 2-934 1-916 1-916 1-916 4-917 4-1606 4-917 4-909	TAIPAG 180-0 INIPAG 760 7	2/LAMDAG -003 -025 -050 -100 -150 -250	
2/** ***** ***** ***** ***** ***** ***** ****	ALFAL/SET AAN D IPM AS 9-099 2-736 9-599 9-27	AL = .C66C MHZ P A. ME INFA BETAL/B E - 2.865 ASUREC CLEREN NORMAL INHAG 5.46C 5.22C 5.22C 5.22C 5.22C 5.22C 6.26C 6.20C	ETAC * 1-109 C/LAPDAC T DISTRIBUTION INFAZ *-00 -2-80 -38-00 -38-00 -38-00 -13-70 -13-70 -13-70 -13-70 -13-70 -13-70 -13-70 -13-70 -13-70 -13-70 -13-70 -13-70	010 IN PAZV GUT INREAL 5-407 5-316 5-067 4-161 2-934 1-916 1-916 1-916 4-917 4-1606 4-917 4-909	TAIPAG 180-0 INIPAG 760 7	Z/LAMDA0 +003 +025 +050 +100 +150 +250	
2/** **********************************	ALFAL/SET ALFAL/SET AAN D IRN AS 9.992 9.736 9.551 9.256 9.279 9.279 9.200 6.748 6.255 7.295	AL = .C66C PHZ P INFAZ INFAZ 195-2C 198-10 87-0C 68-10 87-0C 68-20 -10-00 -10-00 -51-00 -51-00 -51-00 -51-00 -51-00 -51-00 -51-00	BETAL/B E * 2.865 ASUMED CURREN NORPAL INMAG \$.46C \$.22C \$.72C \$.76C \$.16C \$	ETAC - 1-109	1NEAL 1NEAL 5-07 5-31 5-07 5-167 6-1	IN IF AG - 180-0 IN IF AG - 760 - 1250 - 1250 - 1250 - 1250 - 1250 - 1250 - 1250 - 1250 - 1250 - 1250 - 1250 - 1250	Z/LAPDAC +003 +025 +050 +100 +250 +250 +360 +360 +450 +460
2/	ALFAL/SET ALFAL/SET GAN D IGH AS 9-999 9-795 9-551 9-296 9-79 9-246 8-789 9-79 9-240 8-789 9-79 9-240 8-789 9-79 9-240 8-789 9-79 9-240 8-789 9-79 9-240 8-789 9-79 9-240 8-789 9-79 9-240 8-789 9-79 9-240 8-789 9-	AL	BETAL/B E • 2.885 ASUMED CURREN INMAG 1.MAG 5.46C 5.26C 5.16C 6.98C 6	ETAC + 1-109 EZ/AFGAC TOTSTRIBLTION INFAZ -2-80 -13-90 -28-90	1.7(a) 010 IN PAV SUT INSEAL 5-027 5-101 5-067 4-161 2-234 1-273 -1-286	INITAG 180-0 INITAG 780 7	Z/LAMDAQ -003 -025 -050 -100 -150 -250 -250 -350 -350 -350 -350 -350
2/	ALFAL/SET ALFAL/SET ALFAL/SET AAN D IRA A3 9.999 9.299	AL	BETAL/B E • 2.885 ASUMED CURREN INMAG 1.MAG 5.46C 5.26C 5.16C 6.98C 6	ETAC - 1-109 C/LAFDAC T DISTRIBUTION IZEC CATA -2-80 -11-90 -2-80 -2	INFAL INFAL INFAL S-07 5-07 5-07 5-09 1-27 1-2	INITAG 180-0 INITAG 780 7	Z/LAMDA() -003 -025 -050 -150 -150 -250 -250 -250 -250 -250 -250 -250 -2
-034 -034 -0369 -138 -2276 -345 -414 -482 -551 -623 -667	ALFAL/SET ALFAL/SET AAN D IRN AS 9.992 9.736 9.551 9.256 9.279 9.279 9.200 6.748 6.255 7.295	AL	BETAL/B E * 2.865 ASUMED CURREN NORPAL INMAG \$.46C \$.22C \$.72C \$.76C \$.16C \$	ETAC + 1-109 EZ/LAFGAC TOTSTRIBLTION INFAZ -2-80 -13-90 -28-00 -28-00 -28-00 -13-7	1.7(a) . GIO IN PAY BLY INFAL 5.027 5.124 5.027 -1.986 -1.986 -1.987 -1.987 -1.987 -1.987 -1.988 -1.988 -1.988 -1.988	RL - 180-0 RL - 180-0 INITAG -760 -1260 -1254 -2219 -5159 -5159 -659 CNIPAG	Z/LAMDA -003 -025 -050 -150 -150 -250 -300 -350 -450 -450 -450 -450 -450 -450 -450 -4
2/	ALFAL/SET ALFAL/SET AND -00	AL	BETAL/BE E = 2-885 ASUREC CLRIPE NORFAL INFAG 1-20 0-120 0	ETAC - 1-109 C/LAFDAC T DISTRIBUTION IZEC CATA -2-80 -11-90 -2-80 -2	INFAL INFAL INFAL S-07 5-07 5-07 5-09 1-27 1-2	INITAG 180-0 INITAG 780 7	Z/LAMDA0 -003 -023 -020 -100 -100 -200 -200 -250 -350 -350 -350 -350 -350 -350 -350 -3
2/	ALFAL/SET ALFAL/SET AND -00	AL	BETAL/BE E = 2-885 ASUREC CLRIPE NORFAL INFAG 1-20 0-120 0	ETAC - 1-109 C/LAFDAC T DISTRIBUTION IZEC CATA -2-80 -11-90 -2-80 -2	1.7(a) . GIO IN PAY BLY INFAL 5.027 5.124 5.027 -1.986 -1.986 -1.987 -1.987 -1.987 -1.987 -1.988 -1.988 -1.988 -1.988	RL - 180-0 RL - 180-0 INITAG -760 -1260 -1254 -2219 -5159 -5159 -659 CNIPAG	Z/LAMDA -003 -025 -050 -150 -150 -250 -300 -350 -450 -450 -450 -450 -450 -450 -450 -4
2/	ALFAL/SET ALFAL/SET AND -00	AL	BETAL/B E • 2.885 ASUMED CURREN INMAG 1.MAG 5.46C 5.26C 5.16C 6.98C 6	ETAC - 1-109 C/LAFDAC T DISTRIBUTION IZEC CATA -2-80 -11-90 -2-80 -2	1.7(a) . GIO IN PAY BLY INFAL 5.027 5.124 5.027 -1.986 -1.986 -1.987 -1.987 -1.987 -1.987 -1.988 -1.988 -1.988 -1.988	RL - 180-0 RL - 180-0 INITAG -760 -1260 -1254 -2219 -5159 -5159 -659 CNIPAG	Z/LAMDA -003 -025 -050 -150 -150 -250 -300 -350 -450 -450 -450 -450 -450 -450 -450 -4
2/	ALFAL/SET ALFAL/SET AND -00	AL	BETAL/BE E = 2-885 ASUREC CLRIPE NORFAL INFAG 1-20 0-120 0	ETAC - 1-109 C/LAFDAC T DISTRIBUTION IZEC CATA -2-80 -11-90 -2-80 -2	1.7(a) . GIO IN PAY BLY INFAL 5.027 5.124 5.027 -1.986 -1.986 -1.987 -1.987 -1.987 -1.987 -1.988 -1.988 -1.988 -1.988	TAIPAG500 RL - 180-0 INIPAG760	Z/LAPCAC -003 -023 -025 -050 -100 -150 -250 -350 -350 -450 -450 -450 -450 -450 -450 -450 -4

	ALFAL/BET	TAL0407	BETAL/	ETAC . 1.047	L1/L	MCA0 . 1.500	
FREGUE	NCY . 300.00	MHZ	PE . 2.885	CALAMDA	0.000	RL . 204.	OCOMPS
		A. H	EASURED CLARES	T DISTRIBUTIO	IN HAZY BLT		
	RA- C	DATA	MORMAL	IZEC CATA			
/H	IRM AG	IRFAZ	INMAG	INFAZ	INREAL	INIMAG	Z/LAMDA
•002	10.078	129.50	*.9·C	10.00	4-865	.858	.003
. 14	9.914	119.50	4.800	-10.90	**860 **733	042	.025
. 58	7.67	119.10	4.74C	-29.90	**109	-2.363	•050 •100
. 84	9. 205	10C-10 8C-40	****	-45.6C	3.007	-3-534	-150
.115	9.384			-69.10	1.641	-4.297	.500
173	9.302	*1.60 22.60 *.30	*.56C *.48C *.48C	-88.40 -107.20 -125.70	.127	-4.558	.250
.201	9.139	55.60	*****	-107-20	-1-325	-4.280	.300
.23	9. 50	-14.70	*****	-120.70	-2.614	-3.636	• 350
.230	9.54	-14.70 -32.80	*.320 *.320	-144.7C -162.8C -182.CC	-3-624	-2.566	**00
.288	8 5 .		4.3*C	-182.00	-4-337		.500
.316	5			-2C1.5C	-3-852	1.517	.550
.345	0.323	-71.50 -90.80 -110.30 -129.70 -149.30	*.08C *.06C 3.96C 3.92C	-550.80	-3-089	2.444	•600
.374	8.242	-110.30	•.000	-5-0.30	-5.015	3.527	.650
31	7. 997	-129.70	3.960	-2*C.3C -259.7C -275.3C -298.00 -316.2C	-2.012 708 -633	3.896	•700 •750
.460	7.956	-168.00	3.900	-298-00	1.831	3.444	-800
89	7.197	-186.20	3.920	-316.20	2.829	2.713	-850
.518	7.752	-204.70	3.800	-334.70 -353.20	3.436	2.713	-900
.546	7.466	-186.20 -204.70 -223.20	3.660	-353.2C	3.634	. 433	.950
.004	7-1-0	-243.10 -261.30 -281.80	3.500	-373.10 -391.30 -411.80	3.409		1.000
.633	7.018	-261.30	3.440	-391.3C	2.974	-1.808 -2.703	1.100
.661	7. 99	*301.80	3.480	-431.80	1.087	-3.306	1-150
.690	7.118	-301.60 -320.70 -340.00	3.4.0	-+5C.7C		-3-440	1.500
.719 .748		-34C+00	3.480	-+7C - CC	-1-190	-3.270	1.250
.776	6.773	-358.50	3.340	-488.5C	-2-079	-2.61	1.300
.005	6.569	-376.40	3.320	-506.40 -525.20	-2-765	-1.837	1.350
.834	0.487	-330.20	3.180	-544.6C	-3-113	*****	1.450
853	6 - 365	-395.20 14.60 29.60	3.150	-555.6C	-3-113 -3-170 -2-939	823 -255 1-0+7	1.484
	RA. D			STRIBLTION IN	PICCOLL/VOLT-	•	
				IZEC CATA			
2,-	SRMAG		CHAS			CHIMAG	Z/LAMDAC
.003	9.704	3.00	23.960	3.00 -4.80 -14.40	23.927	1.254	.006
.029	7.12.	-16C	18.900	*****	18.834	-1-582	.025
.058	6.753			-33.40	14.126	-4.362 -9.314	•050
. 86	6.601	-52-10	16.306	-52.10	10.013	-12-862	•100 •150
-115	6.504	•71.30	16.066	-71.3C	5.149	-15-212	.200
.1 **	6.399	-90.30 -109.40	15-806	-90.30	083	-15-800 -14-337	.250
-173	0.156	-109.40	15.206	-90.30 -109.40 -128.30	-5.049	-14.337	• 300
105.	0.205	-128.3C	15.320	-128.3C	-9.495	-12-023	•350
259	0.156	-166.40	15.200	-147.60 -166.40	-13-138	-8.337 -3.574	• • • • • • • • • • • • • • • • • • • •
.288	6.002 5.905	-185.20	14.820		-14.759	1.343	•500
.316	5.905	-204.00	14.580	-204.00	-13.210	E. 930	-550
.345	5.800	-222.60	14.320	-222.60	-10.541 -6.532 -1.838 2.545	9.693	•600
.374	5.65.	-242.10		-242-10	-6.532	12.337	•650
+31	5.702	-262.50	1* · 080 13 · 580	-262.50	-1-838	13.960	.700
460	5.354	-300.00	13.58C	-30C.80	2.545	13.339	• 750
+89	5.354 5.403 5.249	-321.00	13.220	-321.00	10.367	8.395	.800
518	5.249	-338.60	12.960	-338.6C	12.066	4.729	·850 ·900
546	5 - 152	-358.5c	12.720	•358.5c	12.716	.333	.950
575		-377.cc	12.480	-377.CC	11.935	·333 -3.649	1.000
604	5.006	-395.60	12.360	-395.6C	10.050		1.050
661	5.006	14.00 33.00	12.300	**1* · CC	7.265	-9.999 -11.571 -11.733	1.100
690	••900		12.100	-+33.CC	3.538	-11-571	1.150
719	**651	-470.90	11.360	-47C-9C	-4-053	-11.733	1.200
748	4.552	-49C-30	11.240	-+9C - 3C	-7.27c	-10-613	1.250
776	••552	-510.40	11.2.0	-51C-AC	•9.773	-5-552	1.350
505	**649		11.480	-53C - 8C	-11.332	-1 -835	1.400
855	5.403	-549.60 -564.30	11.600	-545.60 -564.30	-11.438	1.935	1.450
			13.340		-12-158	5.490	1 . 487

FREGUE	NCY . 300.00	MHZ P	E . 2.445	ETAC . 1.047	020	RL • 195.0	COHES
	300100	A. ME	ASURED CURREN	T CISTRIBUTION			
	RAN D	IRFAZ	NORMAL	IZEC CATA			
2,14	IHM AG	18647	INMAG	INFAZ	INREAL	INIMAG	Z/LAMO
.002		120.00	5.200			.453	•003
.020	9.702 9.625	130.00 119.20 109.90	5.00C	5.00 -5.80	5.180 5.014 4.827	509	·025
•0.40 •081	9.625	91.10	5.00C	-15.10 -33.90	4.827	-2.699	.100
.121	9-125	71.50	4.740	-53.50 -73.40	2.819 1.308	-3.810	·150
.101	8.701	51.60 31.40	*.8*C *.7*C *.58C *.58C	-93.60		-4.511	.250
.2.2		11.80	4.520	-113.20	-1-781 -3-09+ -3-988		.300
.323	5.917 6.778	-26.00	4.560	-151-00	-3.988	-2.211	.400
.363	8.701	-43.80	• 520 • 580 • 580 • 520	-168.8C -187.2C	-4-434	-2.211 878 .554	• 450 • 500
	6.008	31.40 11.80 -7.50 -26.00 -43.80 -62.20 -80.80 -99.70	*.52C *.2C *.32C	-205.8C	-3.889		·550
·525	7.661	-113.00	3.980	-245.50	-1-713	3.592	.650 .700
.605	7.661	-140.50 -160.60 -179.60 -197.50 -216.30	3.980 3.960 3.920	-285.6C	1.065	3.814	.750
.0.00	7.544	-179.60	3.920	-30 - 60	2.226	3.227	-800
.727	7.700	-216.30	3.960	-3C*.6C -322.9C -3*1.3C	3·190 3·751	1.270	.900
.767	7.661	-216.30 -234.30 -247.60	*.000 3.960 3.960 3.900	-355.3C -372.6C	3.98C 3.806	.049 851	·950
				STRIBLTION IN			
	RA- D	ATA	NORMAL	IZEC CATA	F1000017V8L1=		
2,4	GRMAG	GRFAZ	GNMAG		GAREAL	CHIPAG	Z/LAMO
•005 •020	9.909 7.761 6.707 6.560	-1	23.40C 18.34C 17.42C 17.04C	-1.80 -10.40 -20.30 -35.90	23.388 18.039 16.338 13.072	**735	•00
• 3 • G	6.707	-10.40 -20.30 -39.90 -58.30 -76.90	17.420	-10.40	16.338	-3.311 -6.044	•02
.121	6.506	-39.90	17-0-0	-35.90 -58.30	8.880	-10.930 -14.379	·10
+161	6.560	-76.90 -95.30	16.90C 17-04C	-76.90	3.862	-16-597 -16-449	.50
.202	6.560 6.360 6.206		16.120	-95.30 -113.20	-1.526 -6.350		.25
.283		-113.20 -132.20 -151.80 -171.70	16.00C 15.22C 14.82C 14.44C 14.70C 14.82C 15.68C 14.96C 13.78C 13.52C	-132.20	-10.748 -13.413 -14.665	-11-853	• 35
.363	5.706	-171.7 _C	14.820	-151.8C -171.7C	-14.665	-7·192 -2·139	••5
••0•	5.559	-191.70	14.440	-191.7C	-14.140 -12.507 -9.387	2.928 7.724 11.468	.50
.484	5.706	-211.70 -230.70 -250.70	14.820	-23C . 7C	-9.387	11.468	•60
.565	3.767	-250.70 -267.20 -265.20	14.960	-25C -7C -267 -20	731	14.942	• 70
.605	5.305	-285.20	13.780	-285.20	3.613	13.298	• 75
.586	5 - 159	-323.5c		-323.50	10.772	7.971	-85
.767	5.205 5.205	-344.20 -364.50 -379.50	13.000 13.520 15.600	-344.20 -364.90 -379.50	12.509 13.471 14.705	3.540 -1.155 -5.207	•95
	AL FAL CHES	TION OF CURREN	T AND CHARGE	ON BEVERAGE A			
FREGUE	ENCY . 300-00			DYLAMBAC			COHPS
				T DISTRIBLTION			
	RAN D		NORMAL	IZEC DATA	11200		
• 45	104 40	IMP AZ	INPAG	5.00		INIPAG	Z/LAM
	IRM AG	130.00				. 4.30	.003
.004	10.000 9.600	130.00	9.00C	-5.20	**880	****	
.004	19M AG 10.000 9.600 9.500 9.560	130.00 119.80 109.60 90.10	5.000 4.900 4.900 4.780	-5.20 -15.40 -34.90	4.880 4.724 3.920	-1-301	•050
.004 .034 .068 .135	10.000 9.500 9.500 9.560 9.660	90.1c	4.78C 4.82C	-5.20 -15.40 -34.90 -54.80	4.880 4.724 3.920 2.778	-1.301 -2.735 -3.939	•050 •100 •150
.004 .034 .068 .135 .203 .271	10.000 9.500 9.500 9.560 9.640 9.560	90.10 70.20 51.30	*.78C *.82C *.78C	-5.20 -15.40 -34.90 -54.80 -73.70 -93.30	1.342	-1.301 -2.735 -3.939 -4.588 -4.812	.050 .100 .150 .200
.004 .034 .068 .135	10.000 9.400 9.500 9.560 9.640 9.560 9.640 9.320	90.10 70.20 51.30 31.70	*.78C *.82C *.78C *.82C	-5.20 -15.40 -34.90 -54.80 -73.70 -93.30	1.342	-1.301 -2.735 -3.939 -4.588 -4.812	.050 .100 .150 .200
.004 .034 .068 .135 .203 .271 .338 .274 .551	10 - 000 9 - 400 9 - 500 9 - 560 9 - 560 9 - 560 9 - 560 9 - 560 9 - 320 9 - 320 9 - 320	90.10 70.20 51.30 31.70	*.78C *.82C *.78C *.82C	-5.20 -15.40 -34.90 -54.80 -73.70 -93.30 -112.00	1.342	-1.301 -2.735 -3.939 -4.588 -4.812	.050 .100 .150 .200 .250 .300 .350
.004 .034 .068 .135 .203 .271	10.000 9.400 9.500 9.560 9.640 9.560 9.640 9.320	90.10 70.20 51.30	*.78C *.82C *.78C *.82C	-5.20 -15.40 -34.90 -54.80 -73.70 -93.30	+ + 880 + + 72+ 3 + 920 2 + 778 1 + 3+2 - + 277 - 1 + 746 - 3 + 033 - 3 + 913 - 4 + 464 - 4 + 392	-1.301 -2.735 -3.939 -4.588 -4.812	.050 .100 .150 .200
.034 .068 .135 .203 .271 .338 .06 .74	10 + 000 9 + 300 9 + 500 9 + 560 9 + 560 9 + 560 9 + 320 9 + 320 9 + 120 6 + 500	90.10 70.20 51.30 31.70 13.60 -5.60 -2*.10 -43.20 -58.40	4.78C 4.82C 4.78C 4.82C 4.66C 4.66C 4.56C 4.56C	-5.2C -15.4C -34.9C -54.8C -73.3C -112.6C -13C.6C -145.1C -168.2C -183.4C	1.342 277 -1.746 -3.033 -3.913 -4.464 -4.392	-1.3C1 -2.735 -3.939 -4.588 -4.812 -4.321 -3.538 -2.342 -933 -261	.050 .100 .150 .200 .250 .300 .350
.004 .034 .068 .135 .203 .271 .338 .006 .474 .591 .609 .655	10.000 9.400 9.500 9.500 9.500 9.500 9.320 9.320 9.120 6.700	90:10 70:20 51:30 31:70 13:00 -5:00 -24:10 -43:20 -58:40	4-78C 4-82C 4-78C 4-82C 4-66C 4-66C 4-56C 4-56C 4-40C RED CHARGE CI	-5.20 -15.40 -34.90 -54.80 -73.70 -53.70 -112.00 -130.60 -145.10 -168.20 -183.40 STRIBUTION IN	1-342 277 -1-746 -3-033 -3-953 -4-464 -4-392 PICCBUL/VBLT-	-1.301 -2.735 -3.939 -4.558 -4.512 -3.538 -2.342 -933 .261	.050 .150 .250 .350 .350 .450 .450
***CC4 **C34 ***C68 ***135 **203 **271 **338 ***74 **5*1 **609 **655	10.000 9.400 9.500 9.500 9.600 9.600 9.800 9.820 9.820 9.820 9.820 9.820 9.820 9.820 9.820	90:10 70:20 51:30 31:70 13:00 -5:40 -43:20 -58:40 8. PEASU	4-78C 4-82C 4-78C 4-82C 4-86C 4-86C 4-86C 4-86C 4-90C RED CHARGE CI AGRMAL GNMAG	-5.20 -15.40 -34.90 -54.80 -73.70 -53.70 -112.00 -130.60 -145.10 -168.20 -183.40 STRIBUTION IN	1-342 277 -1-746 -3-033 -3-913 -4-464 -4-392 PICCOUL/VOLT-	-1.301 -2.735 -3.939 -4.558 -4.512 -3.538 -2.342 -933 -261	-050 -150 -200 -250 -350 -350 -450 -450 -484
.004 .034 .064 .065 .203 .271 .338 .406 .474 .669 .655	10 + 000 9 + 000 9 + 000 9 + 000 9 + 000 9 + 000 9 + 000 9 + 000 9 + 000 9 + 120 9 + 1	90:10 70:20 51:30 31:70 13:00 -5:40 -43:20 -58:40 8. PEASU	4-78C 4-82C 4-78C 4-82C 4-86C 4-86C 4-86C 4-86C 4-90C RED CHARGE CI AGRMAL GNMAG	-5.20 -15.40 -34.90 -54.80 -73.70 -53.70 -112.00 -130.60 -145.10 -168.20 -183.40 STRIBUTION IN	1-342 277 -1-746 -3-033 -3-913 -4-464 -4-392 PICCOUL/VOLT-	-1.301 -2.735 -3.939 -4.588 -4.512 -3.538 -2.342 -3.932 -2.342 -3.93 -2.108	-050 -150 -250 -250 -350 -350 -450 -450 -450
.064 .038 .068 .203 .203 .271 .271 .271 .501 .655	10 + 000 9-400 9-200 9-200 9-200 9-200 9-320 9-320 9-320 9-120 9-120 6-100	90:10 70:20 51:30 31:70 13:00 -5:40 -43:20 -58:40 8. PEASU	*.78C *.78C *.78C *.66C *.66C *.56C *.56C *.60C RED CHARGE CI GNMAL GNMAL GNMAL 23-26C 17-87C	-5.20 -15.40 -34.90 -54.80 -73.73 -12.00 -13.40 -15.60 -168.20 -183.40 STRIBUTION IN IZED CATA GATA -12.30 -12.30 -12.30 -12.30	1-342 277 -1-746 -3-033 -3-913 -4-86 -4-392 PICCBUL/VBLT- GNREAL 23-164 19-052 16-534	-1-301 -2-735 -2-939 -1-588 -1-581 -1-321 -3-538 -2-342 -3-538 -2-342 -3-53 -2-342 -3-53 -2-342 -3-53 -2-342 -3-53	- 05g - 10g - 15g - 20g - 25g - 35g - 40g - 45g - 55g - 45g - 50g - 45g - 45g - 45g - 50g - 50g
.004 .034 .064 .203 .203 .273 .203 .274 .609 .655	10 + 000 9 + 000 9 + 000 9 + 000 9 + 000 9 + 000 9 + 000 9 + 000 9 + 000 9 + 120 9 + 1	90:10 70:20 51:30 31:70 13:00 -5:40 -43:20 -58:40 8. PEASU	*.78C *.82C *.78C *.82C *.66C *.56C *.56C *.56C *.56C *.56C *.10C RED CHARGE CI ROMPAL GNMAG 23.26C 17.82C 17.06C 17.06C	-5.20 -15.40 -24.90 -54.80 -73.75 -13.00 -13.00 -13.00 -14.00 -148.20 -168.20 -183.40 STRIBUTION IN IZED CATA GATA -12.30 -21.90 -21.90 -21.90 -55.30	1-342 -277 -1-746 -3-033 -3-913 -4-464 -4-392 PICCOUL/VOLT- GNREAL 23-164 19-052 14-534 12-875 8-485	-1-301 -2-735 -1-325 -1-326 -1-326 -1-3-518 -2-3-2 -3-518 -2-3-2 -3-518 -2-3-2 -3-518 -2-3-2 -3-518 -2-3-2 -3-518 -2-3-2 -3-3-3 -3-3 -3	-050 -100 -150 -200 -250 -300 -400 -450 -484
.064 .034 .064 .135 .203 .271 .338 .406 .655 .655	11-000 9-400 9-500 9-500 9-600 9-600 9-600 9-600 9-120 9-120 9-120 6-700 18-40 9-304 7-1208 6-604 6-659 6-759	90-10 70-20 51-30 13-00 -5-60 -24-10 -58-40 -83-20 8. FEASL 474 GFF AZ -5-20 -21-90 -21-90 -78-30	* 78C * 82C * 78C * 66C * 66C * 66C * 76C *	-5.2C -15.4C -34.9C -53.9C -53.9C -132.0C -132.0C -145.1C -168.2C -123.4C STRIBLTION IN IZED DATA GNFAZ -12.3C -12.3C -12.3C -12.3C -12.3C -12.3C -12.3C -12.3C -12.3C -12.3C	1-342 -277 -1-746 -3-033 -3-913 -4-64 -4-392 PICCBUL/VBLT- GNREAL 23-164 19-052 16-534 19-152	-1-301 -2-735 -1-939 -1-882 -1-822 -1-328 -1-328 -2-342 -3-342 -3	-050 -100 -150 -200 -250 -300 -400 -450 -484
C64******************************	11.000 9.400 9.400 9.560 9.660 9.860 9.320 9.300	90-10 70-20 51-30 13-00 -5-60 -24-10 -58-40 -83-20 8. FEASL 474 GFF AZ -5-20 -21-90 -21-90 -78-30	* 78C * 82C * 78C * 66C * 66C * 66C * 76C *	-5.20 -15.40 -24.90 -54.80 -73.75 -13.00 -13.00 -13.00 -14.00 -148.20 -168.20 -183.40 STRIBUTION IN IZED CATA GATA -12.30 -21.90 -21.90 -21.90 -55.30	1-342 -277 -1-746 -3-033 -3-913 -4-364 -4-392 PICCBUL/VBLT- GNREAL 23-164 19-052 16-534 12-875 8-485 3-483 -2-128 -7-106	-1-301 -2-735 -1-325 -1-326 -1-326 -1-3-518 -2-3-2 -3-518 -2-3-2 -3-518 -2-3-2 -3-518 -2-3-2 -3-518 -2-3-2 -3-518 -2-3-2 -3-3-3 -3-3 -3	-050 -100 -150 -200 -250 -300 -400 -450 -484
C64******************************	11-000 9-400 9-500 9-500 9-600 9-600 9-600 9-600 9-120 9-120 9-120 6-700 18-40 9-304 7-1208 6-604 6-659 6-759	90-10 70-20 51-30 31-30 -25-60 -25-60 -43-20 -58-40 -58-40 -58-40 -78-30 -78-30 -78-30 -78-30	*.78C *.82C *.78C *.82C *.66C *.56C *.56C *.56C *.56C *.56C *.10C RED CHARGE CI ROMPAL GNMAG 23.26C 17.82C 17.06C 17.06C	-5.2C -15.4C -34.9C -53.9C -53.9C -132.0C -132.0C -145.1C -168.2C -123.4C STRIBLTION IN IZED DATA GNFAZ -12.3C -12.3C -12.3C -12.3C -12.3C -12.3C -12.3C -12.3C -12.3C -12.3C	1-392 -277 -1-746 -3-033 -3-913 -4-034 -4-392 PICCBUL/VBLT- 23-164 13-032 14-534 14-53	-1-301 -2-735 -1-325 -1-326 -1-326 -1-3-518 -2-3-2 -3-518 -2-3-2 -3-518 -2-3-2 -3-518 -2-3-2 -3-518 -2-3-2 -3-518 -2-3-2 -3-3-3 -3-3 -3	.050 .150 .200 .250 .350 .400 .450

### FREQUENCY * 300-00MPS ### E * 2486		DISTRIBU	TION OF CLARE	T AND CHARGE	ON BEVERAGE A	NTENNA BVER S	SALT MATER	
## ASURED CHAPTER 1317-1218 IN PAY 5LT ## STATE CATA **********************************		ALFAL/BET	AL0250	BETAL/E	ETAC . 1.025	L1/LA	CAC . 1.500	
	FREGLE							COHPS
			A. P.	EASURED CURREN	T DISTRIBLTION	IN MAZY BLT		
100		RAN D	ATA	MORPAL	IZEC CATA			
1-12 1-12 12-70 1-320 1-70	2/-	INM AG	[RFAZ	INMAG	INFAZ	INREAL	INIMAG	Z/LAMDAD
		9.321	126.70	3.820				.003
	1.	3.126	114.70	3.7.C	-5.3C	3.724	345	
186	29	4.930	103.30	3.660	-16.7C	3.506	-1.052	
115	. 386		63.60	3.560	-55.90			
1410	•115	5.686	44.50	3.560	-75.5c	.891	-3.447	
	.143	0	25.60	-3-600	-94.40	276	-3.589	
1.55	.172	8.784	7.40	3.600	-112.60	-1-383	-3.32*	-350
1.55	1039	1.930	-10.00	3.660		-2-303	-1.977	**00
#779 7.775			**5.*0		-165.40	-3-503	912	**50
#779 7.775	.287	6.086	-63.40	3.560	-183.40	-3-554	.211	-500
#779 7.775	.315	9.345	-82.20	3.420	-2C2.2C	-3-166	1.292	.550
#779 7.775	. 5**	5-101	-101-70	3.350	-221.7c	-2-479	5.509	
#779 7.775		6.,52	-121.60	3.300	-241.60	-1-5/0	2.903	•700
#779 7.775		4.198	-159-40	3.360	-279.40	.549	3.315	•750
#779 7.775		8.296	-177.30	3.400	-297.30	1.559	3.021	.800
#779 7.775			-194.60	3.440	-314.6C	2.415	2.449	.850
#779 7.775	.516	8.247	-212-00	3.380	-332.CO	2.984	1.587	*900
		8.052	-553.80		-348.30		.58*	
### 1		7.562	-266.70	3.100	-386.70	2.805	-1.411	1.050
	.631	7.613		3.120	-+c7.80	2.096	-2.311	
174 7-96 7-97-20 1		7.759	-307.40	3.180		1.555		
174 7-96 7-97-20 1		7.906	-325.50	3.240	-4-5.5C	.52.	-3.230	
## 1774 7.9% -3974.70 3.29% -4874.20 -2.297 -2.20% 1.950 ## 193 7.9% -3974.70 3.12% -314.70 -2.48% -1.233 1.90 ## 193 7.9% -394.70 3.12% -354.70 -2.48% -1.233 1.90 ## 193 7.9% -394.70 3.08% -353.20 -3.68% -3.88% 1.95 ## 194 1.9% -3.68% -3.	.717	7.904					-3.728	1.250
**************************************		7.906	-377.20			-2-377		
## ## ## ## ## ## ## ## ## ## ## ## ##	.803			3.120			-1.223	1.400
### PASSET CHARGE DISTRIBUTION IN PICCOLLYOLITE #### DATA ***DATA*** ***DATA*** ***DATA** **DATA** ***DATA** **DATA** ***DATA** ***DAT	.831	7.515	-413.20	3.080	-533.20	-3-058	365	1.450
### DATE CAPA CAPA CAPA CAPA CAPA	.851	7.222	-429.20	2.960	-545.20	-5.955	73	1.484
### CAPP CAPPA CAPPA CAPPA CAPPA CAPPA CAPPA CAPPA ***CO3*** 11-11 ******			e. MEAS	URED CHARGE DE	ISTRIBLTION IN	P10084L/V8LT-	•	
**************************************		SA- D	DATA	NORMAL	LIZES DATA			
-57 6-58 - 39-30 13-30C - 39-3C 10-482 - 4-5-31 1000 1-3-30C 10-482 10-3-30C 1	2/4	3R™AG	GRFAZ	GNMAG	GNFAZ	GNREAL	CHIMAG	Z/LAMDAO
-57 6-58 - 39-30 13-30C - 39-3C 10-482 - 4-5-31 1000 1-3-30C 10-482 10-3-30C 1	.003	10.011	-5.00	21.30C	-5.cc	21.215	-1 -856	
-57 6-58 - 39-30 13-30C - 39-3C 10-482 - 4-5-31 1000 1-3-30C 10-482 10-3-30C 1	• .1•	7.529	-12.00	16.050	-12.00	15.670	-3.331	
*** *** *** *** *** *** *** *** *** **	- 57	0./12	-21.20	14.280	-21.20	13.314		-100
1413 5-96 -93 e6 12-46 -93 e6 -180 e 12-46 255		0.157	-57-00	13.100	-57.00	7-135	-10-987	.150
1413 5-96 -93 e6 12-46 -93 e6 -180 e 12-46 255	.115		-75.50	12.780		3.200	-12.373	
-201 5-70 -131.4°C 12-14C -131.4°C -10-20 -9-050 -350 -350 -9-050 -350 -350 -350 -350 -350 -350 -350	•1•3	5.960	-93.ac	12.680	-93.8C	**840	-12-652	.250
11	•172	5.087	-11<.5C	12 - 10C		-4.63C	-11-179	
11	.229	5.856	-151.20	12.460	-151-80	-10-919	-9-050	
11	.258	5.753	-149 60	12.3-0	-169.90	-12-050	-2-146	.450
11		5.736	-188.30	12.1.0	-188.3C	-12.013	1.752	
1.5		5.753	-206.40	12.240	-206.40	-10.964	5.442	
**************************************	.3**	5.753	.5550	12.2.0	-55. ·5C	-8.775	8.533	•600
1.69	.973	5.650	-246.00	11.920	-242.00	-2.596	10.525	• 650
-87 5-92 -310-60 11-00 -316-60 8-128 7-270 850 -106 5-75 -5-			-278.50	11.520	-278.50	1.747		
-87 5-92 -310-60 11-00 -316-60 8-128 7-270 850 -106 5-75 -5-	59	505	-297.20	11.50C	-257.20	5.257	10.228	.800
*602 5**56 *390.20 11.550 *390.20 9.9939 *5.735 1.0500 *531 5*255 **674.00 11.100 **27.00 7.4825 **6.177 1.100 *559 5*253 **27.00 11.200 **27.400 **7.685 1.0.170 1.1500 *568 5*12* **27.00 10.650 **27.400 1.3005 10.730 1.1500 *717 **755 **672.00 10.650 **62.40 *2.283 10.730 1.7300 *745 **755 **		5.452			-316.6C	8.428	7.970	
*602 5**56 *390.20 11.550 *390.20 9.9939 *5.735 1.0500 *531 5*255 **674.00 11.100 **27.00 7.4825 **6.177 1.100 *559 5*253 **27.00 11.200 **27.400 **7.685 1.0.170 1.1500 *568 5*12* **27.00 10.650 **27.400 1.3005 10.730 1.1500 *717 **755 **672.00 10.650 **62.40 *2.283 10.730 1.7300 *745 **755 **	.516		-335.80	11.500	-335.80	10.489		
*602 5**56 *390.20 11.550 *390.20 9.9999 *5.735 1.0500 *531 5*255 **674.00 11.100 **27.00 7.4825 **6.177 1.100 *559 5*253 **27.00 11.200 **27.400 **7.685 1.0.170 1.1500 *568 5*12* **27.00 10.650 **27.400 1.3005 10.730 1.1500 *717 **755 **672.00 10.650 **62.40 *2.283 10.730 1.7500 *745 **755 **	.545	5 · 35 A	-354.70	11.400	-354.70	11.351	1.053	•950
21 5-255 *27.00 11.1c* ***27.00 7.428 ***61.77 1.100 **55 5-753 ***27.00 11.2c* ***27.00 7.428 ***61.77 1.100 **55 5-753 ***27.00 11.2c* ***27.00 11.2c* ***1.2c*		5.905	- 200 20		-376.40	9.939	-5.785	
10 10 10 10 10 10 10 10	.031	5.255	**07.00	11.150		7.625		
**************************************	.659	3			-424.80	4.786	*10.170	1.150
.77 + 194 - **66**0 10.5*0 **462**0 **2.263 **10.254 1.250 ************************************		5.10.	+3.10	10.860	-443.10	1.305		
-774 5.57 -502.30 10.760 -502.30 -8.514 -6.580 1.350 -503 5.123 -522.30 10.900 -522.00 -10.367 -3.366 1.400	.717		-+62.+0	10.5.0	-462.40	-5.563	-10-29+	
***** 5.129 *522.00 10.900 *522.00 *10.367 *3.368 1.400		5. 57	-481-90		-481.90	-5.570	-4-500	1.300
			-522.00	10.900	-502.30	-10-367	-3.365	
.653 7.012 -555.cc 14.920 -555.cc -14.612 3.862 1.487	. 831	5.652			-5-1.5c	-12.036		1.450
	.853	7.012	-555.00	14.920	-555.CC	-14.412		1.487

### PETAL/BETAL	Z/LAPDAQ -0035 -0250 -1000 -1500 -2500 -2500 -3500 -3500 -3500 -5500 -6500 -7500 -85
### DATA **********************************	-003 -025 -025 -025 -025 -150 -250 -250 -250 -250 -250 -250 -250 -2
27m	-003 -025 -025 -025 -025 -150 -250 -250 -250 -250 -250 -250 -250 -2
- 122	-003 -025 -025 -025 -025 -150 -250 -250 -250 -250 -250 -250 -250 -2
1-05	-0250 -1000 -1000 -2000 -2000 -3000 -3000 -3000 -5000 -5000 -5000 -5000 -8500 -9500 -8500 -9500 -8500
1-05	-050 -150 -150 -150 -250 -250 -250 -350 -350 -350 -650 -650 -750 -850 -950 -950 -950 -950 -950 -950 -950 -9
1-05	-150 -250 -250 -350 -350 -350 -450 -450 -450 -550 -550 -660 -650 -750 -850 -850 -850 -850 -850 -850 -850 -8
Second S	-250 -250 -300 -300 -450 -450 -550 -550 -660 -650 -750 -850 -950 -950 -984
-241	-350 -400 -500 -500 -550 -650 -750 -850 -750 -850 -950 -950 -950 -984
-811	-550 -600 -650 -750 -750 -800 -850 -950 -950 -950
	-550 -600 -650 -750 -750 -800 -850 -950 -950 -950
	-550 -600 -650 -750 -750 -800 -850 -950 -950 -950
-523 + -723 -121-72 3-720 -235-30 -1-939 3-139 -523 -121-72 -121-72 3-100 -227-80 -1-939 3-139 -523 -121-72 -121-72 3-100 3-100 -277-80 -1-721 3-101 -623 7-177 -121-72 3-100 3-100 -277-80 -1-721 3-101 -623 7-177 -121-72 3-100 3-100 -277-80 -1-721 3-101 -624 -1-121 -1-72-70 3-100 -1-72-70 3-107 -1-209 -724 -1-121 -1-72-70 3-100 -1-72-70 3-107 1-209 -725 -1-121 -1-72-70 3-100 3-107 -1-209 -726 -1-72 -1-72-70 3-100 3-107 -1-209 -727 -1-72 3-100 3-100 3-100 3-107 -1-209 -728 -1-72 3-100 3-100 3-100 3-100 -729 -1-72 3-100 3-100 3-100 3-100 -720 -1-72 -1-72 3-100 3-100 3-100 -720 -1-72 -1-72 3-100 3-100 3-100 -720 -1-72 -1-72 3-100 3-100 3-100 -720 -1-72 -1-72 3-100	.750 .800 .850 .900 .950 .984
1996 1996 1996 1996 1996 1996 1997 1996 1997	.750 .800 .850 .900 .950 .984
	-850 -900 -950 -984
B. FEASURED CHANGE DISTRIBUTION IN PICCOLL/VOLTAF GAN CATA LOPE	.900 .950 .984
B. FEASURED CHANGE DISTRIBUTION IN PICCOLL/VOLTAF GAN CATA LOPE	Z/LAMDAQ
8. PEASURED CHANGE DISTRIBUTION IN PICCOLL/VOLT=P RAN DATA Lym JAMAS OFFAL GAPAS CAFAL GARGAL CAIMAS Lym JAMAS OFFAL GAPAS CAFAL GARGAL CAIMAS	-004
Compare	-004
2/P	-004
10 0.000 0.000 13.42C 0.000	-004
12 12 12 13 13 13 13 13	-204
12 12 12 13 13 13 13 13	·025
1.0 1.0	•050 •100
0.184 0.184 1.12420 13.520 1.13420 2.1282 12.427 281	·150 ·200
- 281	·200 ·250
### 57:5520:50 21:50 22:50 2	•300 •350
### 57:5520:50 21:50 22:50 2	00
### 57:56	50 .500
12-82 12-8	•550 •600
100 100	-65C
-724 0.7% -333.70 12-140 -333.70 14-88 5-399 7-744 0.007 -353.70 12-148 5-399 7-744 0.007 -353.40 12.740 1353.40 12-753 12-765 1	.750
CISTRIBUTION OF CURRENT AND CHARGE ON REVERAGE ANTENNA OVER SALT MATER ALFALMETAL - 10220 BETALMETAL - 11025 LIMATON - 1500 REJUENCY - 330-107HZ PE - 2.865 CVLAMONS - 1060 RL - 225-006	•800 •850
CISTRIBUTION OF CURRENT AND CHARGE ON REVERAGE ANTENNA OVER SALT MATER ALFALMETAL - 10220 BETALMETAL - 11025 LIMATON - 1500 REJUENCY - 330-107HZ PE - 2.865 CVLAMONS - 1060 RL - 225-006	·900
#LF#L/METAL * .0220 BETAL/RETAC * 1.025 L1/LAFDAC * .500 #EQUENC* * 300+00**-Z	.987

REGUENCY • 300.00 PE • 8.886 CYLAMORC • .060 PL • 225.006	
Y. PENSONED CLAMENT CLEANISCITION IN PANY BUT	ars.
RAN DATA MERFALIZED CATA	
Z/H 190 AS 18FAZ INMAG INFAZ INMAG	Z/LAMDAO
100 9, 12 130,000 black from 1,000 1,000	+003
10 10 10 10 10 10 10 10	·025
67 114 104 10 116 1170 1124 1170 1124 1170 1124 1170 1124 1170 1124 1170 1124 1170 1124 1170 1124 1170 1124 1170 1124 1170 1170 1170 1170 1170 1170 1170 117	·100
-269 6.767 53.60 3.900 7F.80 1.992 -3.713	-200
	·300
	•350
1-25 1-27 13-15 14-16 14-16 1-28	.450
e. reasumed change distribution in Piccollyvolta- Pan Data indeputized data	
RAM DATA MERMALIZED CATA Z/M JRMAD GRFAZ GWRAD GWFAZ GWBEAL GWIMAG	Z/LAMDAD
	-006
C4	.050
	-100
.202 5.542 -60.00 13.000 -60.00 6.520 -11.293 .269 5.439 -76.40 13.740 -76.40 2.763 -13.459	.200
*336 5.033 *98.00 13.160 *94.00 *1.376 *13.088 *10.095 *1.376 *13.088 *12.095 *13.08 *13.088 *12.096 *13.088 *13.088 *12.096 *13.088 *13.088 *12.096 *13.088 *13.088 *13.088	
7n 5.5 *13C-7c 13.98c *13C-7c *8.660 *1c-066	.250
1538 5.440 149700 12.800 118100 10.972 4.592 605 5.744 167.50 15.800 128.0 139.0 2.996 655 6.791 184.0 15.900 128.0 139.0 2.996	·250 ·300 ·350
-000 0-101 -100-90 12-200 -12-20 -12-200 11-200	-25G -35G -35G -45C

			ENT AND CHARGE				
			BETAL/8		100	RL - 310-0	CAUNE
PHEGO	ENCY . 300.00					1200	COMPS
			MEASURED CLAREN		IN MAJV BL		
	HAN D			IZEC CATA			
2/4	IRM AG	IRFAZ		INFAZ	INPEAL	INIMAG	Z/LAMDA
.002	6.755	131.30	3.420	11.3C -1.7C	3.354	-670	·003
.029	8 - 1 + 1	106.90	3.180	-13.10	3-319	721	-050
.057	7.936	86.50	3.100	-33.50	2.585	-1.711	-100
·086	7.782	67.30	3.04C 3.08C	-52.7C	1.842	-2.418	·150
.143	7.585	27.90	3.080	-92.10		-3-078	-250
.172	7.834	9.90	3.060	-11C-1C	-1-052	-2.874 -2.457	-300
105.	8.038	-8.50	3.1.C 3.20C	-128 50 -146.30	-1-955	-2.457	•350
.258	8 • 192 7 • 987	-26.30 -43.90	3.120	-163.90	-2.994	865	**50
.287	7.885	-62.20	3.080	-182.20	-3-078 -2-750		.500
.315	7.526	-80.70	2.900	-200.70 -219.50	-2.750	1.039	-550 -600
.373	7.424	-99.50	2.900	-238.40	-1-520	2.470	-650
• • 01	7.424 7.424 7.578	-118.40 -137.30 -155.30	2.900	-238.40 -257.30 -275.30	**638 *273	2.829	·700
		-155.30	2.960	-275.3C	•273	2.947	
**59	7.578	-173.00 -191.00	2.960	-293.cc -311.cc -328.6c -346.7c	1 • 157 1 • 955 2 • 527	2.249	-800 -850
.516	7.572		2.960	-328.6C	2.527	1.542	.900
·5+5	7.322	-226.70	2.860	-346.7C	2.783	.658	.950
.605	7.219	-245.60	2.850	-365.6C -384.1C	2.807	275	1.000
.631	7.16#	-282.7c	2.800	-4C2.7C	2.058	-1-899	1.100
.659	7.424	-301.90	2.900	-421.90	1.366	-2.558	1.150
·688	7.475	-319.90 -337.70	2.920	-439.90 -457.70	*512	-2.875 -2.953	1.200
.745	7.526	-354.90	2.9.0	-474.90	-1-238	-2.667	1.300
.774	7.373	-372.00	2.880	-+92.CC	-1-927		1.350
.803 .831	7.065	-390.20		-51C.2C	-2·395 -2·495	-1.372	1.450
.851	6.810	-426.30	2.660	-5+6.30	-2-644	.292	1 - 484
			SURED CHARGE CI		PICCOUL/VOLT-		
	SA- D			IZEC CATA			
1/2	GRMAG	RFAZ		GNFAZ	GNREAL	CNIPAG	Z/LAMDAC
·003	7.356	-5.CC -11.5C	20.30C 14.86C	-5.00 -11.50	20.223	-1.769	-006
.029	6.435	-20-10	13.000	-2C -10 -37 -50	12.208	-4.468	·025
.057	5.781	-20.10 -37.50	11.85C		12.208	-7-232	•100
	5.574	-55.50	11.26C 10.86C	-55.5C	2.920	-9-280 -10-460	-150
-386							
·115	5.376	-74.40	10.800	-92.50	*-A71	-10-790	.500
·115	5.346	-92.50 -111.10	1C-80C	-92.50 -111.10	-3.766	-10 - 790 -9 - 759	·250
•115 •1•3 •172 •201	5.346 5.178 5.247	-92.50 -111.10 -130.40	1C-80C 1C-46C 1C-60C	-92.50 -111.10 -130.40		-9.759 -8.072	•250 •300 •350
•115 •143 •172 •201 •229 •258	5.346	-92.50 -111.10 -130.40	10-800 10-460 10-600	-92.50 -111.10 -130.40 -148.60	-3.766 -6.870	-9.759 -8.072	•250 •300 •350 ••00
.115 .143 .172 .201 .229 .258	5.346 5.178 5.247 5.247 5.277 5.277	-92.50 -111.10 -130.40 -148.60 -166.60	1C-80C 1C-46C 1C-60C 1C-60C	-92.50 -111.10 -130.40 -148.60 -166.60		-9.759 -8.072 -5.523 -2.470 .966	•250 •300 •350
·115 ·143 ·172 ·201 ·229 ·258 ·287 ·315	5.346 5.178 5.247 5.247 5.277 5.178 5.145	-92.50 -111.10 -130.40 -148.60 -166.60 -185.30 -203.10	1C-80C 1C-60C 1C-60C 1C-60C 1C-66C 1C-66C	-92.50 -111.10 -130.40 -148.60 -166.60 -185.30 -203.10		-9.759 -8.072 -5.523 -2.470 .966 4.080	•250 •300 •350 •400 •450 •500
.115 .143 .172 .201 .229 .258 .287 .315 .344	5.346 5.178 5.247 5.247 5.247 5.178 5.148	-92.50 -111.10 -130.40 -148.60 -166.60 -185.30 -203.10	1C-80C 1C-60C 1C-60C 1C-60C 1C-60C 1C-60C	-92.50 -111.10 -130.40 -148.60 -166.60 -185.30 -203.10		-9.759 -8.072 -5.523 -2.470 .966 4.080 6.823	•250 •300 •350 •400 •450 •550
.115 .143 .172 .201 .229 .258 .287 .315 .344	5.346 5.178 5.247 5.247 5.277 5.178 5.145 5.148 5.79 5.148	-92.50 -111.10 -130.40 -148.60 -166.60 -185.30 -203.10	1C-80C 1C-60C 1C-60C 1C-60C 1C-60C 1C-60C	-92.50 -111.10 -130.40 -148.60 -166.60 -185.30 -203.10 -221.00 -238.80	971 -3-766 -6-870 -9-048 -10-370 -10-415 -9-566 -7-8-9 -5-315 -2-251	-9.759 -8.072 -5.523 -2.470 -966 4.080 6.823 8.776	•250 •300 •350 •400 •450 •500 •650
.115 .143 .172 .201 .229 .258 .287 .315 .344 .373 .461	5.346 5.178 5.247 5.247 5.247 5.178 5.178 5.148 5.148 5.179 5.148	-92.50 -111.10 -130.40 -148.60 -166.60 -185.30 -203.10 -221.00 -238.80 -257.50 -275.70	10.800 10.460 10.600 10.600 10.600 10.400 10.400 10.400 10.260 10.260	-92.5C -111.1C -13C.4C -148.6C -166.6C -165.3C -2C3.1C -221.CC -238.8C -257.5C	971 -3-766 -6-870 -9-0+8 -10-370 -10-415 -9-566 -7-8-9 -5-315 -2-251 1-019	-9.759 -8.072 -5.523 -2.470 .966 4.080 6.823 8.776 10.153	-250 -300 -350 -400 -450 -500 -550 -600 -700 -750
.115 .143 .172 .201 .229 .258 .287 .315 .344 .373 .401 .430	5.346 5.178 5.247 5.247 5.277 5.178 5.148 5.148 5.179 5.148 5.179	-92.50 -111.10 -130.40 -148.60 -166.60 -185.30 -203.10 -221.00 -238.80 -257.50 -275.70	1C-80C 1C-40C 1C-60C 1C-60C 1C-40C 1C-40C 1C-40C 1C-40C 1C-26C	-92.5C -111.1C -13C.4C -148.6C -166.6C -165.3C -2C3.1C -221.CC -238.8C -257.5C	971 -3.766 -6.870 -9.048 -10.370 -10.415 -9.566 -7.849 -5.315 -2.251 1.019 4.149	-9.759 -8.072 -5.523 -2.470 .966 4.080 6.823 8.776 10.153 10.209 9.274	-250 -300 -350 -400 -450 -500 -555 -600 -700 -750 -800
.115 .143 .172 .201 .229 .258 .287 .315 .373 .401 .430 .459 .487	5.346 5.17R 5.247 5.247 5.277 5.178 5.148 5.148 5.179 5.148 5.779 5.129 5.29	-92.50 -111.10 -130.40 -148.60 -166.60 -203.10 -221.00 -238.80 -257.570 -275.570 -294.10 -313.00	1C-80C 1C-40C 1C-60C 1C-60C 1C-40C 1C-40C 1C-40C 1C-40C 1C-26C	-92.50 -111.10 -130.40 -148.60 -166.60 -185.30 -203.10 -221.00 -238.80 -257.50 -275.70 -294.10 -311.50		-9.759 -8.072 -5.523 -2.47C .966 4.08C 6.823 8.776 10.153 10.209 9.274 7.504 4.848	-250 -300 -350 -400 -550 -550 -600 -750 -750 -800 -850
.115 .143 .172 .201 .229 .258 .287 .315 .344 .373 .401 .430 .459 .487 .516	5.346 5.178 5.247 5.247 5.178 5.185 5.185 5.185 5.197 5.129 5.129 5.29	-92.50 -111-10 -130-40 -148-60 -166-60 -203-10 -221-00 -238-80 -257.70 -294-10 -313-00 -331-50	1G.80G 1G.46G 1G.40G 1G.40G 1G.40G 1G.40G 1G.40G 1G.26G 1G.26G 1G.26G 1G.26G 1G.26G 1G.26G 1G.26G 1G.26G 1G.26G 1G.26G	-92.50 -111.10 -130.40 -146.40 -166.40 -185.30 -221.10 -221.10 -238.80 -275.70 -294.10 -313.60 -349.90		-9-759 -8-072 -5-523 -2-470 -966 4-080 6-823 8-776 10-153 10-209 9-374 7-504 4-888	-250 -300 -350 -450 -550 -550 -700 -750 -850 -900 -950
.115 .143 .172 .201 .229 .258 .315 .343 .373 .451 .450 .459 .5545 .575	5.346 5.177 5.247 5.247 5.277 5.178 5.188 5.188 5.199 5.199 5.199 5.199 5.199 5.199 5.199 5.199	-92.50 -111.10 -130.40 -146.60 -166.60 -185.30 -203.80 -225.50 -275.70 -294.10 -313.00 -331.50 -349.90 -367.56	1G-80G 1G-86G 1G-80G 1G-80G 1G-80G 1G-80G 1G-80G 1G-80G 1G-80G 1G-26G 1G	-92.50 -111.10 -130.40 -148.60 -166.60 -185.30 -223.10 -221.00 -238.80 -257.50 -275.70 -294.10 -331.50 -331.50 -349.90	471 -3-766 -6-870 -3-0-8 -10-370 -10-415 -7-849 -5-315 -2-251 1-019 4-197 4-197 4-197 8-929 9-786 9-855	-9.759 -8.072 -5.523 -2.470 -966 -0823 8.776 -153 10.209 9.274 7.504 -888 1.743	-250 -300 -350 -400 -550 -550 -650 -700 -750 -850 -950 -950
.115 .143 .201 .229 .287 .315 .401 .459 .487 .515 .573 .602	5.346 5.178 5.247 5.247 5.277 5.277 5.148 5.148 5.179 5.79 5.79 5.79 5.79 5.79 5.79	-92.50 -111.10 -130.40 -146.60 -166.60 -185.30 -203.10 -221.00 -275.75 -294.10 -331.50 -347.50 -367.50 -365.10	1G-8GG 1G-6GG 1G-6GG 1G-6GG 1G-6GG 1G-6GG 1G-4GG 1G-4GG 1G-2GG 1G	-92.50 -111.10 -130.40 -148.60 -148.60 -185.30 -223.10 -221.00 -238.80 -275.70 -294.10 -311.50 -311.50 -349.90 -367.50 -367.50 -367.50 -367.50	971 -3.766 -6.876 -9.048 -10.376 -10.376 -7.849 -7.849 -7.315 -2.251 1.019 4.997 9.786 9.855 9.692 6.375	-9.759 -6.072 -5.523 -2.470 -966 -080 6.823 8.776 10.153 10.209 9.374 7.504 6.888 1.743 1.297 -6.259 -7.679	-250 -300 -350 -400 -550 -500 -750 -750 -850 -900 -900 -900 -1050
.115 .143 .201 .229 .258 .258 .315 .373 .401 .439 .487 .516 .573 .602 .639	5-3-6 5-178 5-2-7 5-2-7 5-178 5-148	-92.50 -111.10 -130.40 -146.40 -166.50 -203.10 -221.00 -238.80 -257.57 -294.10 -331.50 -331.50 -367.50 -367.50 -367.50	1C.80C 1C.40C 1C.40C 1C.40C 1C.40C 1C.40C 1C.40C 1C.40C 1C.40C 1C.20C	-92.50 -111.10 -130.40 -148.60 -148.60 -148.50 -223.10 -223.10 -223.10 -238.80 -27.80 -27.80 -27.80 -27.80 -27.80 -27.80 -28.80 -27.80 -28.80 -27.80 -28.80	-971 -37766 -6.870 -9.048 -10.370 -10.415 -9.466 -7.849 -5.315 -2.251 4.149 9.7786 9.8755 9.0792 6.375 4.4830	-9.759 -8.072 -5.523 -2.470 -966 -080 -6.823 8.776 10.153 10.209 9.274 7.504 -8.88 1.743 -1.297 -1.297 -6.259 -7.679 -8.573	-250 -300 -400 -550 -550 -550 -570 -750 -850 -950 -950 -950 -1050 -1150
.115 .1472 .201 .2258 .285 .315 .344 .373 .430 .457 .516 .5573 .6621 .6631 .6631 .6638	5.346 5.178 5.247 5.247 5.277 5.277 5.148 5.148 5.179 5.79 5.79 5.79 5.79 5.79 5.79	-92.50 -111.10 -130.40 -148.60 -148.60 -148.53 -203.10 -221.00 -221.00 -231.50 -331.50 -331.50 -342.60 -355.50 -420.60 -355.50	1C.80C 1C.40C 1C	-92.50 -111-15 -130.40 -148.60 -146.60 -185.30 -203.10 -201.00 -275.70	971 -37766 -6.870 -9.048 -10.370 -10.415 -7.849 -5.315 -2.251 1-019 4.199 4.997 4.999 5.855 9.092 6.375 4.830 1.7757	-9.759 -8.072 -5.523 -2.470 -966 -082 -9.76 -9.76 -9.76 -9.77 -9.76 -9.77 -9.76 -9.77 -9.76 -9.77 -9.76 -9.77 -9.76 -9.77 -9.77 -9.77 -9.77 -9.77	-250 -300 -300 -400 -500 -500 -600 -700 -850 -950 -950 -1000 1-150
.115 .1472 .201 .2258 .287 .314 .374 .374 .457 .547 .657 .659 .688 .717	5.346 5.17A 5.247 5.247 5.247 5.17B 5.146 5.17B 6.17B	-92.50 -111.10 -130.40 -146.60 -146.530 -203.10 -236.80 -275.70 -313.50 -331.50 -347.90 -347.75 -410.30 -420.60 -439.50 -477.50	1C-8uC 1C-4aC 1C-4aC 1C-6aC 1C-6aC 1C-6aC 1C-4aC 1C-4aC 1C-4aC 1C-2aC 1c-2aC 1c	-92.50 -111-10 -130.40 -148.60 -146.60 -125.30 -223.10 -227.50 -275.70 -275.70 -275.70 -331.60 -331.50 -345.90	971 -37766 -6.870 -9.0048 -10.415 -9.5669 -5.251 -0.19 -2.251 -0.19 -7.786 -9.97 -7.786 -9.455 -7.786 -7.	-9-759 -8-072 -5-523 -2-476 -964 -082 -6-776 -1-153 -10-209 -7-79 -8-88 -7-89 -8-879 -8-879 -8-879 -9-379	- 250 - 350 - 450 - 450 - 550 - 550 - 600 - 750 - 850 - 750 - 850 - 1050 - 1100 - 1100 - 1200 - 1200
-115 -1172 -201 -2258 -285 -2815 -345 -430 -430 -487 -515 -631 -658 -717 -774	5 - 3 - 6 5 - 17 / 7 5 - 2 - 7 5 - 2 - 7 5 - 2 - 7 5 - 2 - 7 5 - 1 - 8 5 - 1 - 8 5 - 1 - 8 5 - 1 - 8 5 - 1 - 9 5 - 1 - 7 5 - 1 - 7 5 - 2 - 9 6 - 9 6 - 9 7 - 9 8	-92.50 -111.10 -130.40 -148.60 -148.53 -203.10 -221.00 -235.80 -235.75 -275.10 -313.50 -345.75 -365.75 -375.75 -375.75 -375.75 -375.75 -375.75 -375.75 -375.75 -375.75 -375.75 -375.75 -375.75 -375.75	1C-8uC 1C-vac 1C	-92.50 -111.10 -130.40 -144.60 -144.60 -146.40 -146.40 -146.40 -121.00	971 -37766 -6.870 -9.048 -10.370 -9.1566 -9.1566 -9.315 -2.251 -1.019 -4.149 -4.929 -5.315 -2.251 -1.029 -5.325 -2.251 -1.039 -3.325	-9-759 -8-072 -5-523 -2-47C -5-66 -076 -076 -076 -0776 -159 -7-75 -7-50 -8-88 -7-69	-250 -350 -350 -450 -550 -550 -650 -750 -860 -750 -870 -1050 1 1050 1 2050 1 2050 1 350 1 350
*115 *147 *201 *229 *258 *287 *315 *373 *373 *451 *435 *459 *876 *573 *668 *717 *745	5.346 5.17A 5.247 5.247 5.247 5.17B 5.146 5.17B 6.17B	-92.50 -111.10 -130.40 -148.60 -168.30 -203.10 -257.70 -294.10 -313.50 -349.51 -410.30 -457.90 -477.90 -477.40	1C-8uC 1C-vac 1C	-92.50 -111-10 -130.40 -148.60 -146.60 -125.30 -223.10 -227.50 -275.70 -275.70 -275.70 -331.60 -331.50 -345.90	971 -37766 -6.870 -9.0048 -10.415 -9.5669 -5.251 -0.19 -2.251 -0.19 -7.786 -9.97 -7.786 -9.455 -7.786 -7.	-9-759 -8-072 -5-523 -2-+7C -5-64 -0.8E -6-8E3 -7-76 -1-153 -7-76 -7-76 -7-76 -7-76 -7-76 -7-76 -7-77 -9-77 -9-77 -9-77 -9-77 -9-77 -9-77 -9-77 -9-77 -9-75	-250 -350 -350 -450 -550 -550 -650 -750 -850 -950 1050 1150 1250 1250 1300

TABLE 3.4 (CONTINUED)

	DISTRIBL	TION OF CURREN	T AND CHARGE	ON BEVERAGE A	ATENNA BVER	SALT MATER	
	ALFAL/BET	AL0190	BETAL/8	ETAC . 1.023	LIZEA	PDAC . 1.000	
FREGUE	NCY . 300.00	m-2 6	F . 2.445	D/I APDAC	• -1cc	RL - 310.0	CONTS
				C/LAPCAC T DISTRIBUTION			
					IN PAZV BLT		
	RAN D		NORMAL	IZEC CATA			
2/4	IRM AG	IRFAZ	INMAG	INFAZ	INREAL	INIPAG	Z/LAMDAG
.002	9-46 0-430 0-275 0-118 0-118 0-118 0-118 0-118 0-121 7-710 7-710 7-710 7-710 0-118 0-121 7-710 0-118 0-121 7-710 1-7	132.30 119.40 107.80 86.30 66.10 28.10 10.10 -7.90 -25.80 -62.80 -62.80	3.52C 3.28C 3.22C	12.30	3.439 3.280 3.147	.750 034	.003
.050	0.875	107.80	3.280		3.280	**680	·025
• 480	6.18	86.30	3.12C 3.12C 3.12C 3.12C	-33.70	2.596 1.838 .902	-1.731 -2.521 -2.987	•100 •150 •200
.121	0.018	96.10	3.120	-63.9C	1 . 838	-2.521	.150
.201	0.173	28.10	3-180	-91-9C	105	-3-178	.250
.241	3.327	10.10	3.200	-105.90	-1.089 -1.990 -2.604	-3.009 -2.557	•300 •350 ••00
.321	6.121	-25.50	3.160	-145.50	-2-604	-1.790	••00
•362	7.916	-42.80	3.080	-162.80	-2.942	911	· +50
2	7.710	-81.40	3.020	-201.40	-2-793	1.095	.550
.682	7.713	-10C.+C	3.000	-55C.+C	-2-285	1.944	•600
.563	0.18	-137.70	3.060	-235.5C -257.7C	-2.942 -3.017 -2.793 -2.285 -1.553 -665	2.637	•650 •700
.603	7.413	-155.50	3.160	-275.5C	1:173	3.145	.750 .800
.643	7.413	-172.70	3.0.0	-292.70	1.173	2.805	-850
.723	7.53.	-208.40	2.920	-328.40	2.487	1.530	.900
.683 .723 .763 .791	7.113 7.50 7.50 7.53 7.196	-558-50	2.900	-3+8.20	1.95+ 2.487 2.839 2.791	2.329 1.530 .593	·950
			2.000	-73.2c -73.2c -1.95.9c -1.27.9c -1.45.8c -1.45.8c -2.1.40 -2.21.40	2.751		.,,,,
			RED CHARGE CI	STRIBLTION IN	PICCOLL/VOLT-		
	RAA D	ATA	NORMAL	IZEC CATA			
2,4	JR AG	-5.CD -11.40 -19.70 -37.10 -54.60	GNMAG	GNFAZ	GAREAL	GNIMAG	Z/LAMDAO
•005	1	38F AZ -51-400 -11-400 -19-70 -37-10 -59-401 -73-400 -92-80 -131-00 -149-80 -167-70 -231-30 -29-30 -277-10 -28-30 -277-10	2C.CJC 14-70C 13-00C 11-7UC 11-00C 10-50C 10-5-C 10-6-C 10-6-C 10-6-C 10-6-C 10-6-C 10-6-C 10-6-C 10-6-C 10-6-C 10-6-C	-5.00 -11.40 -19.70 -37.10 -54.60	19.924 14.410 12.239 9.332 6.372	-1.743	-006
•020 •0•0	7.353	-11.40	14.700	-11.40	14.41C	-2.906 -4.382 -7.058	·025
• ○80	5.45	-37.10	11.700	-37.10	9.332	-7-058	•100
.121	5.530	-54.60	11.000	-54.6C	6.372	-8-966	·150
.161		-73.60	10.800	-73.60	3.049	-10-361 -10-487	.200
.2*1		-112.00	10.440	-73.60 -92.80 -112.00 -131.00	3.049 513 -3.911 -6.980 -9.161 -10.161 -10.253	-9.680	• 300
.281		-131.00	10.640	-131-00	-6.980	-8.030 -5.332 -2.216 .987	•350
.362	5.300 5.200 5.150	-167.70	10.400	-149.80 -167.70 -185.50	-1C.161	-2.216	.450
2	5.150	-185.50	10.300	-185.5C	-10.253	.987	•500 •550
.482	5.200	-221.30	10.300	-203.50 -221.30	-9.537 -7.738	6.798	.600
.522	5.050 4.900	-239.30	10.100 9.800		-5.156 -1.987	4.147 6.798 8.684 9.596	•650 •700
•603	4.500	-277.10	9.630	-277-10	1.187	9.526	•750
•643	500	-296.40	9.600	-256.40	4.268	8.599 6.884	•800
.723	5.100	-335.50	10.000	•335.5c	9.282	4.230	·850
.763 .793	5.100 5.750 7.200	-296.40 -316.50 -335.50 -355.00 -368.50	11.50C	-256-30 -277-10 -256-40 -316-50 -335-50 -355-00 -368-50	1.187 4.268 7.254 9.282 11.456 14.242	1.002	•95c
				-277.10 -296.40 -316.50 -335.50 -355.60 -368.50		-2.120	.,.,
	0167616	110 OF CIER-		ON BEVERAGE A			
	1.54.4051	the stan	AND CHANGE	ETAC . 1.023	VIEWW BAEN	SALT HATEN	
F05							
	NCY - 300-00	,,,,,,	E . 2.845	C/LAPDAC	• •100	PL • 310+0	OBHES
	RAA S	۸۰ ۳۱	ASURED CLEREN	T CISTRIBUTION	IN MA/V BLT		
2/4	IRM AS	IRFAZ	NORPAL	IZEC CATA			
		14. 42	3.52C 3.26C 3.26C 3.18C 3.22C 3.22C	INFAZ	INMENT	INIMAG	Z/LAMCAC
•00•	8.03 5.03 7.807 7.905 5.03 8.052 7.407	131.70	3.520	9.7c -3.7c -15.1c	3.470	.593	.003
. 67	5.003	118.30 106.90 85.90	3.260	-15-10	3.147	210	·025
.134	7.407	85.90	3.180	-36.10 -55.80		-1.874	•100
.269	5.003	47.80	3.260	-55.8C -74.20	1.810	-2.663	·150 ·200
.336	8 . 52	29.30	3.280	-92.7C	-888 155		
7	7.754	-5.40	3.180	-109.90	-1-082	-2.990 -2.510	·300
.537	7.365	-550	3.000	-74.20 -92.70 -105.90 -127.40 -146.20	-2-493	-1.669	00
•650	7.070	29.30 12.10 -5.40 -24.20 -44.00 -61.00	3.18C 3.16C 3.00C 2.98C 2.88C	-166.CC	-1.082 -1.919 -2.493 -2.891 -2.876	-2.510 -1.669 721 .151	
		e. FEAS	RED CHARGE CI	STRIBLTION IN	PICCOLL/VOLT-	•	
	RAN E	ATA	NORMAL	IZEC CATA			
2,4	3K*43	-5.00 -10.00 -19.00 -36.40 -54.30 -73.50	GNMAG	GNFAZ	GAREAL	CNIMAG	Z,LAMDAO
.008 .034 .067	10.645 7.261 6.427 5.674 5.272	-5-00	2C.50C 14.86C 13.12C 11.58C 1C.76C	-5.00 -10.60 -15.00 -36.40	2C.422 14.606 12.405 9.321 6.279 2.999 560	-1.787 -2.734 -4.271	.006
+067	5.427	-19.00	13.120	-1C.ec	12.405	-2.734	.025
.134	5.474	-36.40	11.580		9.321	-6.872	•100 •150
.269		-73.55	10.560 10.560	-54.30 -73.50	2,999	-8.738 -10.125	-150
.336	**923	-93.20		-73.5c -93.2c	*.56C	-10-024	.250
••03 ••70	5.76 5.174	-132.50	10-140	-112.5C	-3.88C	-9.368	-300
.537 .665	5-174	-151.90	10.1.0 10.360 10.560	-151.50	-6.986 -9.315	-7.650 -4.974	00
.654	7.232	-93.20 -112.50 -132.40 -151.90 -171.20 -185.10	10.140 10.360 10.560 11.900 14.760	-112-50 -132-40 -151-50 -171-20 -165-10	-11.76C	-1.821	· 450
			- Actions				

TABLE 3.4 (CONTINUED)

	ALFAL/BET	AL C3+C	BETAL/B	ETAC . 1.016	62/64	-CAC . 1.50C	
FREGU	ENCY . 300-00	mez P	E . 2.885	DILAMBAC	250	AL . 365.0	CONTS
		A. ME	ASURED CURREN	T CISTRIBLTION	IN MAIN OLT		
	944 0			IZEC CATA			
/-	IRM AG		INMAG	INFAZ	INFEAL	151546	Z/LAMO
-002	9.25.	137.40	3.140	10.20	3-130	.563	.003
. 29	****		2.840	-13-30	2.764	653	*050
·057	7.741	93.30	2.660	•33.90	2.208	-1.484	*100
. 66	7.450	93.30	2.500	-54.40	1.490	-2.082	.150
115	7.450		2.560	-74.40	.684	-2.466	.500
.1.3	7.391	34.00	2.5.0	-93.20	142	-2.536 -2.353	.250
.172	7.333	-2.10	2.520	-111.00 -129.30	-1-647	-5.015	•350
.229	7.5.18	-20-10	2.580		-2-171	-1.394	00
.258	7.275	-20.10	2.500	-155.60	-2-277	-1.033	50
.286	5.984	-56.60	2.400	-184.CC	-2-394	.167	-500
.315	5.093	-76.60 -96.20	2.300	-263.80	-2-104	.928	•550
.344	6.693	-115.40	5.500	-223.40	-1-657	1.567	·600
372	6.093	-134-10	2.300	-261.30	-1.050	2.274	•700
30	5.568	-151.80	2.360	-279.00	348 -369	2.331	•750
. 458	6.926	-168.80	2.380	-296.00	1.652		.800
	5.76.	-186.30	2.400	-313.5C	1.655	1.741	.850
515	6.809	-203.80 -222.00 -241.30	5.3.0	-331.CC	2.047	1-134	•900
.573	0.460	-222-00	2.240	-3+5.2C -368.5C	2.5.0	328	1.000
.001	5.412		2.200	-388.60	2 - 196	-1-053	1.050
.030	6.577	-279.80	2.260	-4c7.cc	1 - 5 + 1	-1-653	1.100
.659	6.809	-298.70	2.3+0	-425.9c	.956	-2.136	1.150
687	7.042	-310.30	2.420	-443.5C	.274	-2.40*	1.500
.716	7.159	-333.30 -350.30	2.460	-46C.5C	-1-090	-219	1.300
773	0.751	-366.60	2.320	-493.80	-1-606	-1.674	1-350
.802	0.463	-383.40	5.550	-\$1C.6C	-1-93+	-1-090	1.400
.830	0.169	-+03.40	5.150	-53C - 6C	-2-092	* . 346	1.450
.850	5.474	-+20.80	5.050	-5+8-00	-5-000	.281	1 - + 8 4
				STRIBLTION IN	PICCOLL/VOLT.	•	
	QAN C	GRFAZ		IZEC CATA			
2/-	-H"AG		GNMAG	GRFAZ	CHREAL	CNIPAG	Z/LAMD
	3.964	-7.00	17.800	-7-00	17-667	-2-169	-00
	7.325	-12.50	13.080	-7-pp -12-50		-2.831	.05
029	7.325	-12.50	13.080	+20.30	12.770	-2.169 -2.831 -3.955	-02
.014 .029 .057 .086	7.325 0.384 5.734 5.331	-12.50 -20.30 -37.00	13.080	+20.30	12.77C 10.692 8.178 5.676	-2.831 -3.955 -6.163 -7.643	•02 •05 •10 •15
014 029 057 086 115	7.325 9.384 5.734 5.331 5.029	-12.50 -20.30 -37.00 -53.40 -71.60	13.08C 11.40C 10.24C 9.52C 8.98C	*2C.3C *37.CC *53.4C	12.77C 10.692 8.178 5.676	-2.831 -3.955 -6.163 -7.643 -8.521	.02 .05 .10 .15
.029 .057 .086 .115	7.325 0.384 5.734 5.331 5.029	-12.50 -20.30 -37.00 -53.40 -71.60 -90.00	13.08C 11.40C 10.24C 9.52C 8.98C	*2C.3C *37.CC *53.4C	12.77C 10.692 8.178 5.676	-2.831 -3.955 -6.163 -7.643 -8.521	.02 .05 .10 .15 .20
029 057 086 115 143	7.325 0.38. 5.73. 5.331 5.029	-12.50 -20.30 -37.00 -53.40 -71.60 -90.00	13.08C 11.40C 10.24C 9.52C 8.98C 8.820 8.54C	-2C-3C -37-CC -53-4C	12.77c 10.692 8.178 5.676 2.835	-2.831 -3.955 -6.163 -7.643 -8.521 -8.820 -8.084	-02 -05 -10 -15 -20 -25
014 029 057 086 115 143 172	7.325 0.38. 5.73. 5.331 5.029 0.939 0.752	-12.50 -20.30 -37.00 -53.40 -71.60 -90.00 -108.80 -128.30	13.08C 11.40C 10.24C 9.52C 8.98C 8.820 8.54C 8.46C	-20.30 -37.00 -53.40 -71.60 -90.00 -108.80 -128.30	12.77c 10.692 8.178 5.676 2.835 .COC -2.752	-2.831 -3.955 -6.163 -7.643 -8.521 -8.820 -8.084 -6.639	-02 -05 -10 -15 -20 -25 -30
.014 .029 .057 .086 .115 .143 .172 .200 .229 .256	7.325 0.384 5.734 5.331 5.029 0.939 0.762 0.738 0.738	-12.50 -20.30 -37.00 -53.40 -71.60 -90.00 -108.80 -128.30	13-08C 11-0C 10-2C 9-52C 8-98C 8-82C 8-5*C 8-6*C 8-5*C	*2C+3C *37.0C *53.4C *71.6C *9C+0C *1C8.8C *128.3C *147.3C	12.77c 10.692 8.178 5.676 2.835 -2.752 -5.243 -7.271	-2.831 -3.955 -6.163 -7.643 -8.521 -8.820 -8.084 -6.639 -4.668 -2.109	.02 .05 .10 .15 .20 .25 .30
.14 .29 .57 .086 .115 .172 .200 .229 .256 .286	7 - 325 0 - 384 5 - 734 5 - 331 5 - 029 4 - 782 4 - 788 4 - 788 4 - 782 4 - 682	-12.50 -20.30 -37.00 -53.40 -71.60 -90.00 -108.80 -128.30	13-08C 11-40C 10-24C 9-52C 8-98C 8-82C 8-54C 8-64C 8-64C 8-54C 8-36C	~2C.3G ~37.0C ~53.4C ~71.6C ~9C.0C ~128.8C ~128.3C ~147.3C ~165.7C ~183.8C	12.77C 1C.692 8.178 5.676 2.835 •COC •2.752 -5.2*3 -7.271 •8.275	-2.831 -3.955 -6.163 -7.643 -8.521 -8.820 -8.089 -6.639 -6.68 -2.109	.02 .05 .10 .15 .20 .25 .30 .35
.014 .029 .957 .086 .115 .172 .200 .229 .256 .286 .315	7.325 0.38 5.73 5.331 5.029 6.039 7.782 7.782 7.88 6.782 6.682	-12.50 -20.30 -37.00 -53.40 -71.60 -90.00 -108.80 -128.30 -147.30 -165.70 -183.80	13-08C 11-80C 10-28C 9-52C 8-98C 8-58C 8-68C 8-68C 8-58C 8-38C 8-38C	-2C-3G -37-4G -71-6G -1C8-8G -128-3G -147-3G -165-7G -183-8G	12.77C 1C.692 8.178 5.676 2.835 .COC -2.752 -5.243 -7.271 -8.275 -8.342 -7.794	-2.831 -3.952 -6.163 -7.643 -8.521 -8.520 -8.084 -6.63 -2.109 -5.53	-02 -05 -10 -15 -20 -25 -30 -35 -40 -45 -50
014 029 057 086 115 143 172 200 229 256 286 315	7.325 0.384 5.734 5.734 5.731 5.029 0.732 0.738 0.738 0.738 0.662 0.662	-12.50 -20.30 -37.00 -53.40 -71.60 -90.00 -108.80 -128.30 -147.30 -165.70 -183.80	13-080 11-900 10-290 9-520 8-980 8-820 8-850 8-860 8-860 8-360 8-360 8-360	-2C-3G -37-4C -53-4C -71-6G -9C-6G -128-3G -147-3G -145-7G -183-8G -2C1-2G	12.77c 10.692 8.178 5.676 2.835 .COC -2.752 -5.243 -7.271 -8.275 -8.342 -7.794	-2.831 -3.955 -6.163 -7.643 -8.521 -8.820 -6.084 -6.639 -2.109 -554 3.023	-02' -05- -10' -15- -20' -25- -30' -35' -40' -55- -60'
014 029 057 086 115 143 172 200 229 256 286 315 344 372	7.325 0.384 5.734 5.331 5.029 0.752 0.752 0.752 0.762 0.662 0.673 0.652	-12.50 -20.30 -37.40 -53.40 -71.60 -90.00 -108.80 -128.30 -147.30 -165.70 -183.80 -201.20 -21.20 -21.20 -236.70	13 - 08C 11 - +0C 14 - 5C 8 - 98C 8 - 88C 8 - 86C 8 - 86C 8 - 86C 8 - 36C 8 - 36C 8 - 36C 8 - 36C 8 - 36C	*2C.30 *37.0C *53.4C *71.60 *9C.0C *1C8.8C *128.3C *147.3C *165.7C *183.8C *215.2C *215.2C *215.2C	12-77c 10-692 8-178 5-676 2-835 	-2.831 -3.955 -6.163 -7.663 -8.521 -8.820 -8.08 -6.639 -2.109 -553 3.023 5.249 6.837	-02 -05 -10 -15 -20 -25 -35 -40 -55 -65
014 029 057 086 115 1143 172 200 229 256 286 315 344 372	7.325 0.384 5.734 5.734 5.731 5.029 0.732 0.738 0.738 0.738 0.662 0.662	-12.50 -20.30 -37.40 -53.40 -71.60 -90.00 -128.30 -128.30 -147.30 -165.70 -183.40 -201.20 -219.00 -236.70 -255.00	13-08C 11-98C 10-29C 9-59C 8-98C 8-82C 8-86C 8-86C 8-58C 8-36C 8-36C 8-36C 8-36C 8-36C 8-36C 8-36C	*2C.30 *37.0C *53.4C *71.60 *9C.0C *1C8.8C *128.3C *147.3C *165.7C *183.8C *215.2C *215.2C *215.2C	12-77c 10-692 8-178 5-676 2-835 	-2.831 -3.955 -6.163 -7.643 -8.521 -8.820 -6.084 -6.639 -2.109 -554 3.023	-02' -05' -10' -15' -20' -25' -30' -45' -50' -60' -65'
014 029 057 086 115 1172 200 229 256 2315 372 430 430 430	7 - 325 0 - 384 5 - 734 5 - 735 5 - 029 - 736 - 736 - 738 - 762 - 662 - 662 - 667 - 581 - 738 - 738	-12.50 -20.30 -37.40 -53.60 -71.60 -90.00 -108.80 -128.30 -147.30 -165.70 -183.80 -219.00 -236.70 -255.00 -273.60	13 - CRC 11 - 8-C 11 - 2 - C 9 - 5 - C 8 - 5 - C 8 - 5 - C 8 - 5 - C 8 - 5 - C 8 - 5 - C 8 - 5 - C 8 - 1 -	*2C-30 *37-0C *53.*C *53.*C *1.6C *128.3C *1.47.3C *1.47.3C *1.65.7C *1.83.8C *2.11.2C *2.11.2C *2.11.2C *2.11.2C *2.11.2C *2.11.2C *2.11.2C *2.11.2C *2.11.2C *2.11.2C *2.11.2C *2.11.2C *2.11.2C *2.11.2C *2.11.2C *2.11.2C	12-77C 1G-692 8-178 5-676 2-835 -COC -2-752 -5-243 -7-271 -8-342 -7-794 -4-481 -4-481 -4-491 -2-117 -897	-2.831 -3.955 -6.163 -7.663 -8.521 -8.521 -8.629 -6.639 -6.639 -2.109 -555 3.023 5.249 6.837 7.901 7.269	-02 -05 -150 -25 -30 -35 -55 -50 -65 -70 -75
014 029 057 086 0115 143 172 220 229 256 286 315 372 430 430 430 437	7 - 325 0 - 34 5 - 74 5 - 331 5 - 629 - 782 - 782 - 782 - 682 - 674 - 681 - 581 - 581 - 596 - 596	-12.50 -20.30 -37.40 -53.60 -71.60 -90.00 -108.80 -128.30 -147.30 -165.70 -183.80 -219.00 -236.70 -255.00 -273.60	13-080 11-900 10-290 8-980 8-980 8-600 8-600 8-600 8-600 8-1	*2C:30 *37:0C *53:4C *71:4C *9C:0C *1C8:8C *128:3C *147:3C *183:4C *2C:42C *218:4C *21	12-77C 1G-692 8-178 5-676 2-835 -COC -2-752 -5-243 -7-271 -8-275 -8-342 -7-794 -6-481 -4-491 -2-117 -8-97 2-937 5-314	-2.831 -3.955 -6.163 -7.663 -8.521 -8.689 -6.699 -1.688 -2.109 -5.55 -3.023 -5.249 -6.837 -7.901 -7.904 -7.269 -1.13	- 02 - 10 - 15 - 25 - 35 - 45 - 45 - 55 - 65 - 75 - 85 - 85 - 85
014 029 057 086 115 143 172 200 229 256 286 315 344 344 344 344 345 345 346 346 346 346 346 346 346 346 346 346	7 125 0 134 5 17 14 5 129 5 129 1 29 1 282 1 282 1 38 1 38 1 38 1 4 682 1 682 1 681 1 881 1 881 1 890 1 90 1	-12.50 -20.30 -37.40 -53.40 -71.40 -90.00 -108.80 -147.30 -165.70 -183.40 -21.20 -21.20 -236.70 -25.30 -25.	13.08C 11.08C 10.28C 9.58C 8.98C 8.82C 8.98C 8.9	*2C.3C *37.0C *53.4C *71.6C *9C.0C *108.8C *128.3C *147.3C *165.7C *183.8C *211.2C *215.0C *215.0C *215.0C *215.0C *215.0C *215.0C *215.0C *215.0C	12.77c 10.692 8.178 5.676 2.83500c -2.752 -5.2-3 -7.271 -8.275 -8.332 -7.794 -4.491 -2.117 -4.97 5.314 6.917	-2.831 -3.955 -6.163 -7.643 -8.521 -8.820 -8.084 -6.639 -3.023 5.229 -9.01 7.209 -9.01 7.269 6.113	- 02 - 05 - 15 - 25 - 35 - 35 - 45 - 55 - 65 - 65 - 65 - 75 - 85 - 85 - 85
014 029 057 086 115 117 220 229 256 286 286 315 315 372 015 015 015 015 015 015 015 015 015 015	7 125 174 5 7 34 5 7 37 5 129 1 99 1 728 1 7	-12.50 -20.30 -37.40 -53.40 -71.40 -90.40 -128.30 -147.30 -153.40 -153.40 -153.40 -153.40 -153.40 -153.40 -153.40 -153.40 -153.40 -153.40	13-08C 11-00C 10-24C 9-58C 8-98C 8-54C 8-54C 8-64C 8-64C 8-34C 8-1	*2C*30 *37**CC *53**C *53**C *71**E6 *9C**E6 *1C**E6 *12**30 *165**CC *21**CC	12.77c 10.4592 8.178 5.676 2.4395 -6.275 -6.275 -7.271 -8.279 -6.342 -7.794 -6.481 -6.491 -2.117 -6.997 -6.917	-2.831 -3.955 -6.163 -6.163 -6.8521 -6.084 -6.099 -2.109 -554 -2.109 -555 -2.293 -2.293 -2.293 -2.293 -2.293 -3.29	- 02' - 05' - 10' - 25' - 30' - 35' - 40' - 45' - 50' - 55' - 60' - 70' - 75' - 85' - 90' - 95'
014 029 086 115 143 220 229 256 315 344 340 340 340 340 340 340 340 340 340	7 - 125 0 - 74 - 1 5 - 73 - 1 5 - 73 - 1 5 - 73 - 1 5 - 73 - 1 5 - 73 - 1 5 - 74 -	-12.50 -20.30 -37.40 -53.40 -71.60 -90.40 -124.30 -145.70 -163.40 -255	13 - CBC 11 - BC 11 - BC 12 - BC 9 - 59C 8 - 98C 8 - 58C 8 - 58C 8 - 68C 8 - 68C 8 - 68C 8 - 18C 8 - 18C 8 - 18C 8 - 18C 8 - 18C 8 - 18C 8 - 18C 7 - 92C 7 - 98C 7 - 18C 8 - 18C 8 - 18C 9	*2C.3C *37.0C *53.4C *71.6C *9C.0C *108.8C *128.3C *147.3C *165.7C *183.8C *211.2C *215.0C *215.0C *215.0C *215.0C *215.0C *215.0C *215.0C *215.0C	12.77c 10.692 8.178 5.676 2.83500c -2.752 -5.2-3 -7.271 -8.275 -8.332 -7.794 -4.491 -2.117 -4.97 5.314 6.917	-2.831 -3.955 -6.163 -7.643 -8.521 -8.820 -8.084 -6.639 -3.023 5.229 -9.01 7.209 -9.01 7.269 6.113	-02 -05 -10 -15 -20 -25 -35 -45 -55 -50 -75 -75 -85 -95 -95 -95
014 0257 0257 0257 1172 1209 2256 2256 2256 2315 2372 2374 257 257 257 257 257 257 257 257 257 257	7 · 125 0 · 184 5 · 7 · 1 5 · 029 • • 939 • • 738 • • 138 • 138	-12.50 -20.30 -37.40 -53.40 -53.40 -53.40 -53.40 -53.40 -128.30 -1	13 - CBC 11 - BC 10 - 2 - C 9 - 5 - C 8 - 9 - C 8 - 5 - C 8 -	*2C.30 *37.46 *51.46 *71.46 *71.46 *124.36 *124.36 *124.76 *145.76 *183.86 *21.42 *21.	12.77c 10.692 8.178 5.676 2.4835 -0.000 -2.752 -3.223 -7.271 -4.275 -4.320 -4.481 -2.197 2.197 7.732 7.4810 7.317 6.102	-2:831 -3:995 -6:163 -7:643 -6:521 -6:626 -6:626 -6:639 -6:68 -2:109 -554 -3:023 -6:706 -7:269 -1:13 -5:058 -1:13 -1:038 -1:038	-02 -05 -10 -10 -20 -25 -35 -40 -55 -65 -75 -80 -95 -90 1:05
014 057 086 1172 0286 1172 0285 285 285 285 375 377 430 430 430 437 557 3657 5657 6659	7 - 12-5 0 - 74-5 5 - 73-1 5 - 73-1 5 - 73-1 5 - 73-1 6 - 73-1 7 - 73	-12.450 -20.30 -20.30 -20.30 -30.40 -50.40 -10.450 -12.47.30 -14.57.20 -21.45.70 -21.4	13 - CBC 11 - BC 11 - BC 11 - BC 12 - BC 13 - BC 14 - BC 15 - BC 16 - BC 16 - BC 16 - BC 16 - BC 17 - BC 18	*2C.30 *37.00 *51.40 *51.40 *51.40 *128.30 *1.47	12.77c 10.692 8.178 5.678 2.885 -2.895 -2.291 -8.279 -8.392 -7.291 -4.491 -2.117 -2.937 5.314 6.917 7.807 6.102	-2:851 -3:955 -6:163 -7:821 -8:820 -8:820 -8:837 -9:901 -7:269 -8:171 -8:837 -7:900 -113 -6:883 -7:4683 -6:588 -7:4683 -7:4683	021 021 021 021 021 021 021 021 021 021
014 0257 086 1143 1172 2209 2258 236 315 372 430 458 458 458 458 458 458 458 458 458 458	7 - 12-5 0 - 184 5 - 7 J - 1 5 - 23 J - 2 - 23 J - 23	12.50 -20.30 -20.30 -53.40 -53.40 -53.40 -54.00 -128.20 -128.20 -128.20 -128.20 -128.40 -238.40 -238.40 -238.40 -238.40 -238.40 -239.40 -239.40 -239.40 -239.40 -239.40 -239.40 -239.40 -239.40	13-00C 11-00C 10-24C 9-52C 8-982C 8-982C 8-982C 8-982C 8-982C 8-98C 8-36C 8	*2C.30 *37.00 *51.40 *71.40 *71.40 *124.30 *12	12.77c 15.492 8.178 8.188 8.088 8.098 -2.752 -5.293 -7.271 -8.275 -8.392 -7.794 -4.481 -4.481 -7.779 2.997 2.997 7.317 6.917 7.317 6.126 -1.265	-2.851 -3.955 -6.163 -7.643 -8.521 -8.624 -6.639 -6.639 -7.649 -7.269 -7	-021 -055 -100 -255 -300 -355 -500 -555 -600 -655 -700 -755 -800 -955 -900 -105 -105 -105 -105 -105 -105 -105 -1
014 057 086 1143 172 2229 236 430 430 430 430 430 430 430 430	7 - 12-5 0 - 174 - 1 5 - 13 - 13 - 13 - 13 - 13 - 13 - 13 - 1	-12.50 -20.30 -37.40 -53.40 -90.40 -106.80 -126.80 -126.30 -106.70 -103.40 -106.70 -103.40	13-08C 11-00C 10-24C 2-52EC 8-98C 8-98C 8-86C 8-64C 8-54C 8-14C 8-	*2C.30 *37.00 *51.40 *71.40 *71.40 *124.30 *12	12.77c 10.692 11.172 11.172 11.172 11.172 12.175 12.175 12.175 12.175 12.177 12	-2.851 -3.955 -6.163 -7.663 -6.621 -6.621 -6.629 -6.639 -7.901 -7	- 021 - 051 - 151 - 201 - 201
014 0257 086 1143 1720 229 2286 315 229 2286 315 237 229 286 2315 237 247 257 268 277 271 271 271 271 271 271 271 271 271	7 - 12-5 0 - 174 - 1 5 - 7 - 1 5 - 7 - 1 5 - 7 - 1 5 - 7 - 1 5 - 7 - 1 5 - 7 - 1 5 - 7 - 1 5 - 7 - 1 5 - 7 - 1 5 - 7 - 1 6 - 7 - 1	-12.50 -20.30 -20.30 -21.40	13-08C 11-09C 10-24C 10-24C 10-24C 8-98C 8-18C 8-18C 8-18C 7-98C 7-98C 7-98C 7-98C	*2C.3G *37.4C *57.4C *57.4C *57.4C *57.4C *128.4G *1.47.3C *1.47.3C *1.47.3C *1.47.3C *1.47.3C *1.47.3C *1.47.3C *1.47.3C *1.47.4	12.77C 16.4528 8.628 8.628 8.628 9.620 -2.729 -5.229 -5.229 -6.322 -7.794 -6.421 -6.421 -7.794 -6.421 -7.794 -6.421 -7.794 -6.421 -7.794 -6.421 -7.794 -7.79	-2.851 -3.955 -6.163 -6.163 -6.163 -6.084 -6.039 -6.084 -6.039 -2.559 -6.031 -7.269 -6.113 -6.056 -6.056 -6.056 -6.056 -6.056 -6.056 -6.056 -6.056 -6.056	-021 -051 -101 -201 -255 -301 -301 -301 -301 -301 -301 -301 -301
014 0257 0365 1113 1200 2258 2314 2372 4308 515 5573 6639 7777 7777	7 - 12-5 0 - 174 - 1 5 - 13 - 13 - 13 - 13 - 13 - 13 - 13 - 1	-12.40 -20.30 -27.30 -27.30 -27.30 -27.40	13-08C 11-00C 11-24C 2-52EC 8-98CC 8-98CC 8-98CC 8-98CC 8-98CC 8-98CC 8-14C 8-14C 8-14C 8-14C 7-98C 7-88CC 7-98C 7-98C 7-98C 7-98C 7-98C 7-98C 7-98C	-2C -35 -37 -30 -37 -37 -30 -37 -50 -30 -37 -1 -2 -30 -37 -1 -2 -30 -37 -1 -2 -30 -37 -2 -30 -37 -2 -30 -37 -2 -37 -36 -37 -38 -38 -38 -38 -38 -38 -38 -38 -38 -38	12.77c 10.692 11.17a 11.17a 11.17a 11.17a 12.17b 12.17b 12.17b 12.17b 12.17b 12.17b 12.11b 12	-2.851 -3.795 -6.1643 -6.1643 -6.1643 -6.1643 -6.039 -6.039 -6.039 -6.039 -6.039 -6.039 -6.039 -6.039 -6.039 -6.039 -6.039 -6.039 -6.039 -6.039 -6.039 -6.039 -6.039 -6.039 -7.200 -6.039 -7.200 -6.039 -7.200	-02' -05' -10' -10' -10' -10' -10' -10' -10' -10
-093 -093 -095 -095 -1149 -095 -1149 -1209 -095 -1149 -095 -1149 -095 -095 -095 -095 -095 -095 -095 -09	7 - 12-5 0 - 13 + 1 5 - 13 + 1 5 - 13 + 1 5 - 13 + 1 5 - 13 + 1 5 - 13 + 1 6 - 13 +	-12.50 -20.30 -20.30 -21.40	13-08C 11-09C 10-24C 10-24C 10-24C 8-98C 8-18C 8-18C 8-18C 7-98C 7-98C 7-98C 7-98C	*2C.3G *37.4C *57.4C *57.4C *57.4C *57.4C *128.4G *1.47.3C *1.47.3C *1.47.3C *1.47.3C *1.47.3C *1.47.3C *1.47.3C *1.47.3C *1.47.4	12.77C 16.4528 8.628 8.628 8.628 9.620 -2.729 -5.229 -5.229 -6.322 -7.794 -6.421 -6.421 -7.794 -6.421 -7.794 -6.421 -7.794 -6.421 -7.794 -6.421 -7.794 -7.79	-2.851 -3.955 -6.163 -6.163 -6.163 -6.084 -6.039 -6.084 -6.039 -2.559 -6.031 -7.269 -6.113 -6.056 -6.056 -6.056 -6.056 -6.056 -6.056 -6.056 -6.056 -6.056	- 021 - 051 - 101 - 201 - 251 - 251

				ANTENNA OVER		
ALF AL /BE	TAL0340		ETAC . 1.016			
NCY . 300.0	ome2					008425
				IN HAZY OLT		
***	UATA	NORMA	IZEC CATA			
14M AG	IRFAZ	INMAG	INFAZ	INREAL		
9. 07	138.20	3.240	13.20	3-15+	-7-0	.003
7.951	114.00	2.860	-11.00	2.807	546	-025
7.24.			-32.80	5.536	-1.441	·100
7.228	51.00	2.600	-74.0C	•717		.500
7.28.	15.40	2.620		105	-2.618	.250
7.28.	-2.40	2.620	-127.40	-1-591	-2.081	.350
6.783	-38.60	2.540	-140.00	-2-081	489	••00
0.616	-58.50	2.380	-183.5C	-2-376	-1+5	-500
0.616	-98.00	2.360	-563.30	-2-168	1.623	•990
6.894	-116.70	2.480	-241.7c	-1-176	2.184	•600 •650
7.228	-150.80	2.500	-259 · CC	.243	2.493	·700
7.006	-166.60	2.520	-291 · 6C	.928	2.343	.800
6.283	-201.40	2.420	-326.20			• 900
5.49.	-221.70	2.150	-346.7C	2.063	.488	.950
3,019	-240.70	2.020	-365.70	2.010	201	.984
	B. PEAS	RED CHANGE CI		PICCOUL/VOLT-		
5A-	DATA					
GRMAG	GRFAZ	GNMAG		GAREAL	CNIMAG	Z/LAMDAG
9.975	*1C*0C	17.500				•006
7.285	-15-10	12.780	-15-10	12.339	-3-329	•025
5.089	-22.80	11.280	-22-80	10.399	-4.371	•050 •100
5.233	-56.50		-56.50	5.067	-7-655	•150
4.834	-93-20	8.920	-74.80	2.339	-8.608	.200
**685	-112.40	9.550	-112.40	-3.132	-7.600	•300
**685	-150.40	8.320	-131-60	-5.524	-6.222	•350
*** 06	-168.20	8.08C	-168.20		-1.652	-+50
4.594	-180.10	8-060	-186.10	01-	.856	•500 •550
***12	-22C.70	7.7.0	-220.70	-5.868	5.047	•600
4.195	-258.00	7.78C	-238.4C	-4.077	6.626	·650
4.093	-278.30	7			7.132	.750
**:93 **:93	-298.60	7.180		3.437	6.304	•750 •800
	-298.60 -319.60 -339.40	7-18C 7-62C		1.036 3.437 5.803 7.376	6.304 4.939 2.773	-800 -850 -900
	-298.60 -319.60 -339.40 -358.60 -372.70	7-18C 7-62C		3.437 5.803 7.376 9.097	6.304 4.939 2.773 .222 -2.577	-800 -850 -900 -950 -987
**343 **343 **492 5*187 6*680	-298.60 -319.60 -339.40 -358.60 -372.70	7-18C 7-62C	-278.3C -258.6C -319.6C -335.4C -358.6C -372.7C	3.637 5.803 7.376 9.097 11.633	7-105 6-304 4-939 2-773 -222 -2-577	-800 -850 -900 -950 -987
***343 ***92 5*187 6*680	-339.40 -358.60 -372.70	7-180 7-620 7-880 9-100 31-720	-258.60 -315.60 -335.60 -358.60 -372.70	9.097 11.433	7 - 199 7 - 105 6 - 304 4 - 939 2 - 773 - 222 - 2 - 577	*800 *850 *900 *950 *987
0.680 CISTRIBU	-339.40 -358.60 -372.70	7-18C 7-62C 7-88C 9-10C 31-72C	-278.60 -319.60 -335.40 -356.60 -372.70	7.376 9.097 11.433	ALT WATER	-850 -850 -900 -950 -987
0.343 0.492 5.187 0.680 DISTRIBU	-339.40 -358.60 -372.70	7-180 7-820 7-880 9-100 31-720	-258.6C -319.6C -335.4C -358.6C -372.7C	7.376 9.097 11.433	ALT WATER	
0.680 CISTRIBU	-339.00 -358.00 -372.70 TIBN OF CLAREN TAL0340	7-180 7-820 7-880 9-100 33-720 7 AND CHARGE (BETAL/8)	-258.6C -319.6C -335.4C -358.6C -372.7C	7.976 9.097 11.433	ALT WATER	
0.343 0.492 5.187 0.680 DISTRIBU ALFAL/SET	-339.00 -358.00 -372.70 TIBN OF CLAREN TAL0340	7-180 7-820 7-880 9-100 33-720 7 AND CHARGE (BETAL/8)	-258.6C -319.6C -335.4C -358.6C -372.7C	7.976 9.097 11.433	ALT WATER	
**************************************	-339.40 -358.40 -372.72 ATION OF CURRENTAL034C MHZ P A. HE	7-180 7-820 7-880 9-100 33-720 7 AND CHARGE (BETAL/8)	-258.6C -319.6C -335.4C -358.6C -372.7C	7.976 9.097 11.433	ALT WATER	
192 5:187 6:680 DISTRIBL ALFAL/SET CY = 300:00	-3390 -3580 -372.70 ITIBN UF CURREN (AL = .034C IMPZ P A. HE (ATA	7-18C 7-82C 7-82C 7-82C 9-10G 31-72C 7 AND CHARGE ! 8ETAL/8! E = 2-885 ASURED CURREN' NORHAL INMAG	- 288.40 - 319.40 - 319.40 - 329.40 - 372.70 IN BEVERAGE AN ITAC * 1.016 D/LAMDAC T DISTRIBUTION IZEC CATA INFAZ	3-037 3-037 11-033 NTENNA OVER S LIZEA 286 IN MAZV OLT	ALT WATER CAC500 RL - 385-0	
192 5:187 6:680 DISTRIBL ALFAL/SET CY = 300:00	-3390 -3580 -372.70 ITIBN UF CURREN (AL = .034C IMPZ P A. HE (ATA	7-18C 7-82C 7-82C 7-82C 9-10G 31-72C 7 AND CHARGE ! 8ETAL/8! E = 2-885 ASURED CURREN' NORHAL INMAG	298.30 -319.60 -319.60 -335.40 -372.70 DEVERAGE AF ETAC = 1.016 D/LAPDAC I DISTRIBUTION INFO INF	3-037 3-037 11-033 NTENNA OVER S LIZEA 286 IN MAZV OLT	ALT WATER CAC500 RL - 385-0	OBHPS Z/LAMCAQ
192 5:187 6:680 DISTRIBL ALFAL/SET CY = 300:00	-3390 -3580 -372.70 ITIBN UF CURREN (AL = .034C IMPZ P A. HE (ATA	7-18C 7-82C 7-82C 7-82C 9-10G 31-72C 7 AND CHARGE ! 8ETAL/8! E = 2-885 ASURED CURREN' NORHAL INMAG	- 298.40 - 319.40 - 319.40 - 339.40 - 372.70 D. BEVERAGE ALL TAC * 1.016 D/LAMDAC CISTRIBUTION IZEC DATA INFAZ 8.20 - 5.55	9:077 11:433 NTENNA BVER S L1/LAM - :250 IN MA/V BLT INMEAL 2:989	ALT WATER CAC500 RL - 385-0	Z/LAMCAO
	-339.40 -358.40 -372.70 .TIBN DF CLRREN AL .: .034C MM-Z P A. ME 	7 - 18C 7 - 82C 7 - 82C 9 - 10C 31.72C 7 AND CHARGE I BETAL/8I E = 2 - 885 ASURED CLURREN NORMAL INHAG 3 - 02C 2 - 88C 2 - 76C		9:077 11:433 NTENNA BVER S L1/LAM - :250 IN MA/V BLT INMEAL 2:989	ALT WATER DAC50C RL - 385-0 INIMAG .4312467701660	Z/LAMCAD -003 -025 -050
	-339.40 -358.40 -372.70 .TIBN DF CLRREN AL .: .034C MM-Z P A. ME 	7 - 18C 7 - 82C 7 - 82C 9 - 10C 31.72C 7 AND CHARGE I BETAL/8I E = 2 - 885 ASURED CLURREN NORMAL INHAG 3 - 02C 2 - 88C 2 - 76C		9:077 11:433 NTENNA BVER S L1/LAM - :250 IN MA/V BLT INMEAL 2:989	ALT WATER DAC50C RL - 385-0 INIMAG .431246770 -14600	Z/LAMCAO
	-339.40 -388.40 -372.70 TIBN OF CLRREN AL = .034C MH-Z P ME INFAZ 185.40 122.30 111.00 89.90 70.20 51.90 51.90	7 - 18C 7 - 82C 7 - 82C 9 - 10C 31.72C 7 AND CHARGE I BETAL/8I E = 2 - 885 ASURED CLURREN NORMAL INHAG 3 - 02C 2 - 88C 2 - 76C		7-378 7-037 11-433 NTENNA BVER S LI/LAP 	ALT WATER CAC50C RL - 385.0 INIMAG .31 -226 -770 -1.600 -2.21 -2.592	Z/LAMCAC •003 •025 •050 •100 •150 •200
	-339.40 -388.40C -372.7C	7-18C 7-82C 7-82C 7-83C 9-10C 31-72C 7 AND CHARGE I BETAL/BI E = 2-885 ASURED CURREN' NORMAL INPAG 2-88C 2-88C 2-68C 2-68C 2-68C 2-68C	298.40 -319.40 -319.40 -319.40 -372.70 M. BEVERAGE AF ETAC = 1.016 D/LAMDAG E DISTRIBUTION LZED DATA INFAZ 8.20 -3.50 -2.10	7-376 7-077 11-433 ATENNA BVER S L1/(AP 250 IN MEAL 2-989 2-850 2-850 1-38 1-38 1-38 1-38 1-38 1-38	ALT WATER DAG • .50C RL • 385.0 INIMAG	Z/LAMCAQ •003 •085 •080 •180 •180 •280 •280 •390
	-339.40 -388.60 -372.70 AL = .0340 HHZ P AL = .0340 HHZ P AL = .0340 18FAZ 135.40 122.30 111.00 75.90 7	7 - 180 7 - 202 7 - 880 7 - 880 9 - 1 - 786 1 - 786 7 - AND CHARGE II BET-LIZEI E = 2-885 ASURED CURREN NBRH-L INHAG 3-020 2-840	298.40 -319.40 -319.40 -319.40 -372.70 M. BEVERAGE AF ETAC = 1.016 D/LAMDAG E DISTRIBUTION LZED DATA INFAZ 8.20 -3.50 -2.10	7-376 7-077 11-433 ATENNA BVER S L1/(AP 250 IN MEAL 2-989 2-850 2-850 1-38 1-38 1-38 1-38 1-38 1-38	ALT WATER CAC = .50C RL = 385-0 INIMAG21246770 .1.600 .2.592 .2.692 .2.692 .2.692 .2.692	Z/LAMCAO
	-339.40 -388.60 -372.70 AL = .0340 HHZ P AL = .0340 HHZ P AL = .0340 18FAZ 135.40 122.30 111.00 75.90 7	7 - 180 7 - 202 7 - 880 7 - 880 9 - 1 - 786 1 - 786 7 - AND CHARGE II BET-LIZEI E = 2-885 ASURED CURREN NBRH-L INHAG 3-020 2-840	298.40 -319.40 -319.40 -319.40 -372.70 M. BEVERAGE AF ETAC = 1.016 D/LAMDAG E DISTRIBUTION LZED DATA INFAZ 8.20 -3.50 -2.10	7-376 7-077 11-433 ATENNA BVER S L1/(AP 250 IN MEAL 2-989 2-850 2-850 1-38 1-38 1-38 1-38 1-38 1-38	ALT WATER CAC = .50C RL = 385-0 INIMAG21246770 .1.600 .2.592 .2.692 .2.692 .2.692 .2.692	Z/LAMCAQ •003 •025 •050 •100 •1
######################################	-339.40 -358.40 -372.70 A034c HMZ A. HE 18FAZ 128.30 128.30 17.80 -31.90 -57.60	7 AND CHARGE II 7 AND CHARGE II 8 ETAL/91 8 ETAL/91 13.72C 7 AND CHARGE II 8 ETAL/91 8 ETAL/91 10 AND CHARGE 10 A	### 1-016 ### 1-	11.033 NTENNA OVER S LIVEAT . 1260 IN MEAL 2.989 2.680 2.680 1.438680 -1.488 -1.680 -1.680 -1.680 -1.680 -1.680 -1.690 -1.680 -1.690 -1.690 -1.690	ALT WATER CAC = .50C RL = 385-0 INIPAG	Z/LAMCAO
######################################	-339.40 -358.40 -372.70 A034c HMZ A. HE 18FAZ 128.30 128.30 17.80 -31.90 -57.60	7-180 7-180 7-180 7-180 7-180 7-180 7-180 7-180 7-180 8-180		11.033 NTENNA OVER S LIVEAT . 1260 IN MEAL 2.989 2.680 2.680 1.438680 -1.488 -1.680 -1.680 -1.680 -1.680 -1.680 -1.690 -1.680 -1.690 -1.690 -1.690	ALT WATER CAC = .50C RL = 385-0 INIPAG	Z/LAMCAQ •003 •025 •050 •100 •1
	-339.40 -358.40 -372.76 TION OF CURREN AL034c MHPZ P ME AATA INFAZ 135.40 122.30 115.00 70.20 -31.30 -31	7-180 7-180 7-180 7-180 7-180 7-180 7-180 7-180 7-180 7-180 8-180		1.433 1.433 1.433 1.433 1.433 1.433 1.436 1.	ALT WATER CAC50C GL - 385-0 INIMAG	Z/LAMCAQ •003 •025 •050 •100 •1
1917 *187 **	-339.40 -358.40 -372.70 AL -0340 MM-Z P A. ME 18FAZ 135.40 122.30 122.30 12.	7 AND CHARGE E 2.885 ASURED CHREN NORMAL INFAG 2.886 2		11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033	ALT WATER DAG = .50C RL = 385-0 INIMAG3124677014602472482472482472482472482472482472482472482472482487 .	Z/LAMCAQ •003 •025 •050 •100 •200 •350 •350 •350
1917 *187 **	-339.40 -358.40 -372.70 AL -0340 MM-Z P A. ME 18FAZ 135.40 122.30 122.30 12.	7 AND CHARGE E 2.885 ASURED CHREN NORMAL INFAG 2.886 2		11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033	ALT WATER EAC50C RL - 385-0 INIMAG	Z/LA*CAQ -003 -025 -035 -036 -036 -036 -030 -030 -030 -030 -030
1917 *187 **	-339.40 -358.40 -372.70 AL034c MH/Z P A. ME AATA INFAZ 135.40 122.30 123.50 70.20 -37.30 -17.80 -57.40 B. MEASU ATA URFAZ -4.00 -57.40 -57.40 -57.40 -57.40 -57.40 -57.40 -57.40 -57.40 -57.40 -57.40 -57.40 -57.40	7 AND CHARGE E 2.885 ASURED CHREN NORMAL INFAG 2.886 2	### 140	11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033	ALT WATER EAC50C RL - 385-0 INIMAG	Z/LA*CAQ -003 -025 -035 -036 -036 -036 -030 -030 -030 -030 -030
1917 *187 **	-339.40 -358.40 -372.76 AL034c AL .	7 AND CHARGE E 2.885 ASURED CHREN NORMAL INFAG 2.886 2		11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033 11-033	ALT WATER DAG = .50C RL = 385-0 INIMAG21240250260	2/LAPCAQ -003 -003 -005 -005 -000 -100 -100 -100 -100 -100
######################################	-339.40 -358.40 -372.70 AL -0340 MM-Z P A. ME 18FAZ 135.40 122.30 122.30 12.	7 AND CHARGE E 2.885 ASURED CHRIST INFAG 3.02C 2.88C 2		11-033 STEPH OF THE PROPERTY	ALT WATER CAC = .50C RL = 385-0 INIMAG3124677014602.59224672.5922467259226702592267026932693269326932693269326932693269326932693269326932693	Z/LA*CAG - 003 - 008 - 008 - 100
######################################	-339.40 -378.40 -377.70 TITION DF CURREN AL = .034c MM-Z P A. ME 18FAZ 135.40 125.30 117.80 -36.90 71.70 31.70 17.80 -37.40 8. MEASU ATA ORFAZ -45.00 -37.40 8. MEASU ATA ORFAZ -45.00 -37.40	7:180 7:180 7:180 7:180 7:180 7:180 7:180 7:180 7:180 7:180 7:180 8:180 8:180 7:180 8:180	### 1.016 ### 1.	11.033 NTENNA BUER 5 LI/LAF 1286 IA MA/Y BLY IABBAL 2:889 2:485 2:4	ALT WATER CAC = .50C RL = 385-0 INIMAG3124677014602.59224672.5922467259226702592267026932693269326932693269326932693269326932693269326932693	Z/LA*CAG - 003 - 008 - 008 - 100
######################################	-339.40 -358.40 -372.76 -372.	7 - 180 7 - 180 7 - 180 7 - 180 7 - 180 7 - 180 7 - 180 7 - 180 7 - 180 8 - 18		1.033 **TENNA SVER S LIJIAF **250 IN PA/V BLY INSEAL 2.989 2.450 2.100 2.1	ALT WATER DAG = .50C RL = 385-0 INIMAG31246770160216216216187188187 CNIMAG2.4363.0474.1883.0474.1883.0474.1883.0474.1883.0474.1883.0474.1883.0474.1883.0474.1883.0474.1883.0474.1883.0474.1883.0474.1883.0474.1883.0474.1883.0474.188	I/LA*CAG
193 *187 *****187 **********************	-339.40 -378.40 -378.40 -378.40 -378.40 -378.40 -378.40 -378.40 -388.4	7 AND CHARGE 12 AND CHARGE 13		11.033 NTENNA BUER 5 LI/LAF 1286 IA MA/Y BLY IABBAL 2:889 2:485 2:4	ALT WATER CAC = .50C RL = 385-0 INIMAG3124677014602.59224672.5922467259226702592267026932693269326932693269326932693269326932693269326932693	2/LAPCA0 -003 -003 -005 -005 -000 -000 -000 -00
	147 AG 3 - 07 G 4 - 07 G 4 - 07 G 4 - 07 G 5 - 07 G 7 - 08 G 7 - 08 G 6 - 76 G 6 - 76 G 6 - 76 G 6 - 76 G 6 - 76 G 6 - 76 G 6 - 76 G 6 - 76 G 6 - 76 G 6 - 76 G 7 - 08 G 7 - 08 G 6 - 76 G 7 - 08 G 7 - 08 G 6 - 76 G 7 - 08 G 7 - 08 G 6 - 76 G 7 - 08 G 7 - 08 G 6 - 76 G 7 - 08 G 7 - 08 G 6 - 76 G 7 - 08 G 7 - 08 G 7 - 08 G 8 - 08 G	## A3 DATA IMM A3 IMFAZ 2 . 07 138 .20 4 .20 128 .10 128 .20 4 .20 128 .10 128 .20 4 .20 128 .10 128 .20 7 .184 70 .70 7 .184 12.00 7	### ADDITAL MARINAL	A. MERSURED CURRENT DISTRIBUTION WAS DATA AMBRALIZED CATA AMBRALIZED CA	A. DATA A. OBSALIZEC CURRENT DISTRIBUTION IN MAJOR OLT INF A3 INF A2 INF A2 INF A2 INF A3 2 - 07 136.20 1.240 11.20 2.154 2 - 07 136.20 1.240 11.20 2.154 2 - 109 136.20 1.240 11.20 2.154 2 - 109 136.20 1.240 11.20 2.155 2 - 109 12.100 2.100 12.20 1.220 2 - 109 12.100 2.100 1.200 1.200 2 - 109 2.100 2.100 1.200 1.200 2 - 109 2.100 2.100 1.200 1.200 3 - 109 2.100 2.100 1.200 1.200 4 - 109 2.100 2.100 1.200 4 - 109 2.100 2.100 1.200 4 - 100 2.100 2.100 1.200 4 - 100 2.100 2.100 1.200 4 - 100 2.100 2.100 4 - 100 2.100 2.100 4 - 100 2.100 2.100 4 - 100 2.100 2.100 4 - 100 2.100 2.100 4 - 100 2.100 2.100 4 - 100 2.100 2.100 4 - 100 2.100 2.100 5 - 100 2.100 2.100 5 - 100 2.100 2.100 6 - 100 2.100 2.100 6 - 100 2.100 2.100 6 - 100 2.100 2.100 6 - 100 2.100 2.100 6 - 100 2.100 2.100 6 - 100 2.100 2.100 6 - 100 2.100 2.100 6 - 100 2.100 2.100 6 - 100 2.100 7 - 100 2.100 7 - 100 2.100 8 - 100 2.10	A. MEASURED CURRENT CISTRIBUTION IN PAPA BLT GAN DATA MARRALIZEC CATA ASSEMBLY CONTROL INFAL INFAL INFAG 1 18 A 2 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1

		TIBN OF CURREN					
FREQUE	NC . 305.00		E012		• .020		Denrs
		A. ME	ASURED CURREN	T DISTRIBUTION	IN MAZY BLT		
	94 - 0	ATA	NORMAL	IZEC CATA			
2/-	INM AG	IRFAZ	INMAG	INFAZ	INREAL	INIMAG	Z/LAMDA
•002	8.656	100.00	4.54C	11.00 -18.00	4.500	.000 851	.003
014	5.35.	89.00	200.0	11.00	**378	-1.366	-050
. 29	7.900	62.00	**180	+38.00	3.294	0 6 9 9	-100
. 87	7.920	28.54	4.180	-57.20	2.26.	-3-51*	-150
.116	7.711	23.00	4.08C	-77.CC	-918	-3-975	.500
.145	7.429	3.00 -17.00 -36.00	3.920		78	-3-891	.250
.203	7.031	-17.00	3.720	-117.00 -136.00	-1-689	-3-315 -2-473	.300
.232	6.313		3.340	-154.80	-3-055	-1.422	.+00
.261	6.275	-73.00	3.320	-173-00	-3-295		.+50
.290	6.275	-73.CC -93.CC	3.320	-173.CC -193.CC	-3-295	.747	-500
.319	5.897		3.120	-211.5C	-2-660	2.330	-550
.348	5.708	-130.50	3.020	-211.50 -230.50 -251.00	-1-921	2.780	·600
•377 •466	5.557	-151.CO -172.2C	2.940	-272.20	*110	2.858	.700
. 435	5.141	-191.80	2.720	-291-80	14010	2.625	.750
.463	527	-209.00	2.660	-3c5.cc	1.010	2.067	.800
.492	4.725	• 23C • CC	2.500	-330.00	2-165	1.250	.850
.521	***38	-349-00	2.380	-3+5 · CC	2 . 336	.45*	-900
.550	***23	-268.00 -287.50	2.34C	-362.CC	2.317	-1.062	1.000
.579 .608	4.347	-307.00	5.300	-4c7.00	1.51.	-1.624	1.050
.637	**196	-326.00	5.550	-426.00	.903	-2.028	1.100
.666	*****	-347.GC	2.1.0	-447.CC	•115	-2-137	1.150
.695	4.407	-367-00	2.120	-467.CC	620	-2.027	1.200
.724	3.969	-388.00	2.100	-488.00	-1-293	-1-655	1.250
.753	3.704	08.00	1.960	-5c2.cc	-1-662	-1.039	1.300
.782	1.65.1	28-00	1.90C	-528.0C	-1-858	.212	1.400
.840	3.137	-465.50	1.660	-565.5C	-1-498	.715	1.450
.860	3.100	78.80	1.640	-578.80	-1-278	1.028	1.484
				STRIBLTIEN IN	PICCOLLIVECT		
	RA- C		100111120	IZEC CATA			
2,4	GRMAG	GRFAZ	CNMAG	GNFAZ	CAREAL	CNIMAG	Z/LAMDAO
•063	15.077	-5.00	24.920	-5.CC	24.025	-2-172	
							-006
. 29	3.783	-16.00	18-820	-16.CC	18-091	-5-187	.025
. 29	9.983	-23.00	16.500	-16-00	15.188	-6.447	-025
. 29 . 58 . 687	9.983	-23.00 -43.00 -62.20	16.500	-16.CC -23.CC	15.188	-6.447	-025 -050 -100 -150
. 29 . 58 . 087	9.983 9.866 9.232	-23.00 -43.00 -62.20 -82.00	16.50C 15.68C 15.26C 14.66C	-16.00 -23.00 -43.00 -62.20	15.188 11.468 7.117 2.003	-6.447 -10.694 -13.499 -14.537	-025 -050 -100 -150 -200
. 29 . 58 . 87 . 116	9.983 9.486 9.232 5.881	-23.00 -43.60 -62.70 -82.60	16.50C 15.68C 15.26C 14.66C	-16.00 -23.00 -43.00 -62.20 -72.00	15.188 11.968 7.117 2.043	-6.447 -10.694 -13.499 -14.537	-025 -050 -100 -150 -200 -250
.029 .058 .087 .116 .145	9.783 9.486 9.232 6.481 8.531	-23.00 -43.00 -62.76 -82.00 -102.00	16.50C 15.66C 15.26C 14.66C 14.10C 13.94C	-16.00 -23.00 -43.00 -62.20 -102.00	15.188 11.968 7.117 2.003 -2.932 -7.387	-6.447 -10.694 -13.499 -14.537 -13.792 -11.822	-025 -050 -100 -150 -200 -250 -300
. 29 . 58 . 87 . 116	9.983 9.486 9.232 5.631 8.531 6.434	-23.00 -43.00 -62.76 -82.00 -102.00	16.50C 15.68C 15.26C 14.66C 14.10C 13.94C	-16.00 -23.00 -43.00 -62.20 -72.00 -122.00 -122.00 -131.00	15.188 11.968 7.117 2.003 -2.932 -7.387 -10.833	-6.447 -10.694 -13.499 -14.537 -13.792 -11.822 -6.773	.025 .050 .100 .150 .200 .250 .350
.029 .058 .087 .116 .145 .174	9.983 9.486 9.232 6.831 8.631 8.634 8.634 7.644	-23.00 -62.70 -62.70 -102.00 -122.00 -141.00 -159.80	16.50C 15.68C 15.26C 14.66C 14.10C 13.94C 13.94C 13.36C	-16.00 -23.00 -43.00 -62.20 -72.00 -122.00 -122.00 -131.00	15.188 11.968 7.117 2.003 -2.932 -7.387 -10.833	-6.447 -10.694 -13.499 -14.537 -13.792 -11.822 -8.773 -4.613	-025 -050 -100 -150 -200 -250 -300
29 58 87 .116 .145 .174 .203 .232 .261	9.983 9.486 9.232 6.881 8.531 8.534 8.434 8.434 7.483 7.684 7.333	-23.00 -43.00 -62.70 -82.00 -102.00 -122.00 -141.00 -159.80 -178.00	16.50C 15.68C 15.26C 14.66C 14.10C 13.94C 13.94C 13.36C	-16-00 -23-00 -62-20 -82-00 -102-00 -122-00 -14-00 -159-80 -178-00	15-188 11-968 7-117 2-0-3 -2-932 -7-387 -10-833 -12-538 -12-692 -11-827	-6.447 -10.694 -13.499 -14.537 -13.792 -11.822 -8.773 -4.613 -443 3.745	-025 -050 -100 -150 -200 -250 -300 -350 -400 -450
29 58 87 .116 .145 .174 .203 32 32 32 39	9.983 9.486 9.232 6.681 8.531 8.434 5.434 7.683 7.684 7.333 7.139	-23.00 -33.00 -62.70 -82.00 -102.00 -122.00 -141.00 -159.80 -178.00 -188.00	16.50C 15.68C 15.26C 14.66C 14.10C 13.94C 13.94C 13.36C	-16-CC -23-CC -62-2C -F2-CC -122-CC -122-CC -141-CC -159-8C -178-CC -198-CC	15-188 11-968 7-117 2-0-3 -2-932 -7-387 -10-833 -12-538 -12-692 -11-827	-6.447 -10.699 -13.499 -14.537 -13.792 -11.822 -8.773 -4.613 443 3.745	-025 -050 -100 -150 -200 -250 -300 -350 -500 -550
29 58 87 16 175 203 232 232 232 232 232 232 232	9.983 9.486 9.232 5.881 6.531 6.434 5.434 7.464 7.333 7.139 6.788	-23.00 -62.70 -82.00 -102.00 -122.00 -141.00 -159.00 -178.00 -216.50	16.50C 15.68C 15.28C 14.66C 14.10C 13.94C 13.94C 13.38C 12.70C 12.12C 11.80C	-16-CC -23-CC -62-2C -F2-CC -122-CC -122-CC -141-CC -159-8C -178-CC -198-CC	15-188 11-968 7-117 2-0-3 -2-932 -7-387 -10-833 -12-538 -12-692 -11-827	-6.447 -10.699 -13.499 -13.792 -13.792 -13.822 -8.773 -6.613 -4.43 3.745 7.019	-025 -050 -100 -150 -200 -250 -300 -350 -400 -450 -500 -500
29 58 87 16 174 203 232	9.783 9.486 9.232 6.531 6.531 6.434 8.434 7.633 7.663 7.533 7.139 6.738	-23.00 -62.70 -82.00 -102.00 -122.00 -141.00 -159.00 -178.00 -216.50	16.50C 15.68C 15.28C 14.66C 14.10C 13.94C 13.94C 13.38C 12.70C 12.12C 11.80C	-16-CC -23-CC -62-2C -F2-CC -122-CC -122-CC -141-CC -159-8C -178-CC -198-CC	15-188 11-968 7-117 2-0-3 -2-932 -7-387 -12-538 -12-692 -11-527 -9-886 -6-355 -2-816	-6.447 -10.694 -13.499 -14.537 -13.792 -11.822 -6.773 -4613 -443 3.745 7.019 9.247	-025 -050 -100 -150 -200 -250 -300 -350 -400 -450 -550 -600
- 29 - 58 - 687 - 116 - 145 - 174 - 203 - 237 - 261 - 290 - 319 - 348 - 377 - 466	9.783 9.486 9.232 6.531 6.531 6.43. 8.103 7.63. 7.633 7.633 7.639 6.733 6.739 6.739	-23.00 -32.00 -62.20 -82.00 -102.00 -122.00 -141.00 -178.00 -178.00 -235.50 -235.50 -235.70 -277.20	16.50C 15.68C 15.28C 14.66C 14.10C 13.94C 13.94C 13.38C 12.70C 12.12C 11.80C	+16.00 -23.00 -42.20 -62.20 -122.00 -122.00 -118.00 -198.00 -216.80 -235.50 -235.50	15.188 11.908 7.117 2.032 -7.387 -10.831 -12.538 -12.538 -12.538 -12.538 -2.592 -4.355 -2.516 1.261	-6.447 -10.694 -13.499 -14.537 -13.792 -11.822 -6.773 -4.613 -4.43 -7.019 9.247 10.091 9.981	-025 -050 -100 -150 -200 -350 -450 -450 -500 -600 -700
29 58 37 .116 .145 .174 .203 .232 .261 .290 .319 .348 .377 .406 .435	9.783 9.232 9.232 5.531 6.531 6.438 8.084 7.084 7.333 7.133 6.738 6.788 6.788 6.788 6.788	-23.00 -33.00 -62.20 -82.00 -102.00 -141.00 -178.00 -178.00 -235.50 -235.50 -277.20 -296.80	16.500 15.660 15.260 14.660 14.100 13.940 13.940 12.700 12.120 11.800 11.220 10.400 10.040	+16.00 -23.00 -42.20 -22.00 -122.00 -122.00 -138.00 -138.00 -216.50 -216.50 -225.50 -277.20 -296.80	15.188 11.968 7.117 2.003 2.932 -7.387 -12.638 -12.638 -11.527 -9.486 -6.355 -2.516 1.261 4.469	-6.447 -10.694 -13.499 -14.537 -13.792 -11.822 -6.773613 -4.43 3.765 7.019 9.247 10.091 9.981 8.887	-025 -050 -100 -150 -250 -300 -400 -550 -550 -600 -650 -700 -750
- 29 - 58 - 116 - 145 - 174 - 203 - 232 - 261 - 290 - 319 - 348 - 377 - 466 - 435 - 463 - 492	9.783 9.486 9.232 5.531 6.531 6.433 7.768 7.768 7.333 6.758 6.768 5.929 6.789	-23.00 -32.00 -62.20 -82.00 -102.00 -123.00 -178.00 -178.00 -216.50 -277.20 -26.80 -315.00 -315.00	16.500 15.660 15.260 14.660 14.100 13.940 13.340 12.700 12.120 11.800 11.220 10.400 10.400 9.900 9.820	+16-00 -23-00 -23-00 -22-00 -122-00 -122-00 -118-00 -118-00 -216-50 -225-50 -277-20 -296-80 -335-00	15-188 11-468 7-117 2-10-3 -2-932 -7-387 -12-6338 -12-692 -11-527 -9-486 -6-355 -2-1316 1-261 4-464 6-877 8-900	-6.447 -10.694 -13.499 -14.537 -13.792 -11.822 -6.773 -0.613 -0.43 -0.705 9.247 10.091 9.981 8.837 7.121 -150	- 025 - 050 - 100 - 250 - 250 - 350 - 450 - 450
	9-889 9-232 6-631 6-631 6-334 7-133 7-133 7-139 6-738	-23.cc -3.cc -62.7c -82.cc -102.cc -121.cc -159.8c -178.cc -218.cc	16.50c 15.66c 15.2ec 14.6ec 14.10c 13.9ec 13.3ec 12.70c 12.12c 11.8cc 11.8cc 10.40c 9.9cc 9.9cc 9.8cc 9.8cc	-16-00 -23-00 -23-00 -62-20 -72-00 -122-00 -122-00 -123-00 -138-00 -216-50	15-188 11-968 7-117 2-0-3 -2-932 -7-387 -12-692 -11-538 -12-692 -11-527 -6-355 -6-355 -12-694 -6-855 -12-694 -6-855 -13-64 -13-6	-6.447 -10.694 -13.499 -14.537 -13.792 -13.792 -6.773 -6.13 -4.43 -7.45 -7.019 9.247 10.091 9.983 -1121 -150 -983	- 025 - 050 - 100 - 150 - 250 - 250 - 350 - 450 - 450 - 450 - 450 - 750 - 750 - 850 - 850 - 850 - 850 - 850
- 129 - 1587 - 116 - 147 - 1203 - 231 - 2461 - 290 - 319 - 347 - 466 - 437 - 466 - 437 - 466 - 492 - 551	9-88 9-86 9-22 9-68 9-63 9-63 9-63 7-13 9-73 9-73 9-73 9-73 9-73 9-73 9-73 9-7	-23.cc -33.cc -62.7c -62.7c -102.cc -122.cc -139.cc -139.cc -235.5c -235.cc -235.cc -235.cc -235.cc -235.cc -235.cc	16.50c 15.86c 15.26c 14.66c 14.66c 14.10c 13.94c 13.36c 12.70c 12.70c 11.80c 11.80c 11.80c 10.40c 9.90c 9.90c 9.90c 9.00c	16-00 -23-00 -23-00 -22-20 -102-00 -102-00 -122-00 -128-00 -188-00 -288-00 -277-20 -288-80 -388-00 -388-00 -388-00	15-188 7-167 7-17 7-17 7-17 7-187 -7-387 -12-492 -11-2-538 -6-355 -2-516 1-2-61 1-2-61 1-2-61 1-2-61 1-2-61 1-3-61 1-	-6.447 -10.69a -13.499 -14.537 -13.792 -11.822 -8.773 -4.63 -7.09 9.247 10.091 9.837 -121 -983 -7.09	- 025 - 050 - 100 - 250 - 250 - 350 - 450 - 450
	9-889 9-866 9-242 4-681 6-531 6-43- 7-48- 7-337 7-139 6-718 6-729 6-869 5-999 5-997 5-997 5-997	-23.00 -62.76 -62.76 -102.00 -102.00 -122.30 -111.00 -178.00 -178.00 -216.50 -235.50 -235.50 -235.50 -236.60 -335.00 -335.00 -335.00 -335.00 -335.00 -335.00 -335.00	16.50c 15.66c 15.26c 14.66c 14.10c 13.94c 13.94c 13.39c 12.70c 12.12c 11.82c 11	16-00 -23-00 -23-00 -62-20 -F2-00 -102-00 -122-00 -128-00 -128-00 -128-00 -246-50 -246	15-188 11-968 12-0-3 -2-932 -7-387 -10-833 -12-692 -1-526 -6-355 -2-516 -6-355 -2-516 -6-355 -2-516 -6-355 -2-516 -6-355 -2-516 -7-349 -7-236	-6.447 -10.494 -12.499 -13.499 -14.537 -13.792 -8.773 -4.773 -4.613 -4.433 -7.019 -7.0	- 025 - 050 - 100 - 250 - 250 - 350 - 350 - 350 - 450 - 450
-029 -0587 -116 -147 -203 -237 -261 -290 -319 -346 -437 -463 -492 -552	9-889 9-222 4-681 6-531 6-531 6-53-7-68-7 7-53-7 6-78-9 6-78-9 6-78-9 6-78-9 6-78-9 5-68-9 5-68-9 5-68-9 5-68-9 5-69-9	-23 - CC -23 - CC -62 - CC -62 - CC -62 - CC -102 - CC -122 - CC -131 - CC -136 - CC -235 - CC -235 - CC -335 - CC	16.50c 15.86c 15.26c 14.66c 14.10c 13.99c 13.99c 13.36c 12.12c 11.80c 11.20c 11	16-00 -23-00 -23-00 -23-00 -22-20 -122-00 -122-00 -122-00 -123-00 -124-50 -235-50 -235-50 -235-50 -235-00 -235	15.188 7:117 2:0-3 -2:932 -7:387 -10:4833 -12:4992 -13:538 -12:4992 -2:3518 -6:357 -2:358 -6:377 -3:389 -6:377 -3:389 -6:377 -3:389 -6:377 -3:389 -6:377 -3:389 -6:377 -3:389 -6:377 -3:389 -3:399 -3:	-6-447 -10:494 -13-499 -13-527 -13-792 -13-792 -13-827 -13-827 -13-827 -13-827 -10:991 -14-827 -10:091 -15-827 -10:091 -15-827 -10:091 -15-827 -10:091 -15-827 -10:091 -15-827	- 025 - 050 - 150 - 250 - 250 - 350 - 350 - 450 - 450 - 550 - 650 - 750 - 800 - 750 - 800 - 750 - 800 - 100 - 100
	9-889 9-869 9-222 4-681 6-531 6-531 6-533 7-68-7 7-733 7-133 0-738	-23 - CC	16-50c 15-86C 15-26C 14-86C 14-10C 13-9+C 13-9+C 13-36C 12-12C 11-80C 11	16-0C - 23 - C0 - C0 - 23 - C0 - C0 - 23 - C0 - C0 - 23 - C0 - C0 - 23 - C0 - C0 - 23 - C0 - C0 - 23 - C0 - C0 - 23 - C0 - C0 - C0 - C0 - C0 - C0 - C0 - C	15.188 7.117 2.043 -2.932 -7.387 -10.833 -12.692 -13.538 -12.692 -9.485 -2.536	-6-447 -10-694 -13-995 -13-995 -13-995 -13-992 -13-992 -13-992 -14-993	- 025 - 050 - 100 - 250 - 250 - 350 - 350 - 350 - 550 - 550 - 650 - 750 - 750 - 850 - 950 - 950 - 950 - 100
- 29 - 587 - 116 - 1174 - 2032 - 261 - 299 - 3487 - 319 - 3487 - 5550 - 578 - 695	9-889 9-242 9-681 8-731 6-738 6-738 6-738 6-788 6-788 6-788 6-788 6-789 5-789 5-789 5-789 5-789 6-789 6-789 6-789 6-789	-23 - CC -33 - CO -62 - CC -102 - CC -102 - CC -103 - CC -159 - CC -15	16-50c 15-8eC 15-2eC 11-8eC 11-8eC 11-9eC 11-9eC 11-9eC 11-9eC 11-8eC 11	16-0C -23-0C -23	15.188 7.117 2.023 -2.9387 -10.8338 -11.8338 -12.8338 -12.8338 -12.8338 -12.8338 -2.556 -2.556 -2.556 -2.35	-6-447 -10-694 -11-695	- 025 - 100 - 150 - 100 - 150 - 250 - 250 - 350 - 400 - 550 - 400 - 550 - 500 - 600 - 550 - 700 - 650 - 700
	9-889 9-222 0-681 6-531 6-531 6-531 7-63- 7-133 7-133 6-738	-23 - CC - 23 -	16-50c 15-86c 15-26c 11-30c 11-30c 11-30c 12-30c 12-30c 12-30c 12-30c 12-30c 12-30c 13-30c 13	16-CC - 23 - CC - 23 - CC - 23 - CC - CC -	15.188 7.117 2.022 -2.922 -2.922 -2.922 -1.2.538 -1.2.538 -1.3.538	-6-447 -10-694 -13-695 -13-695 -13-695 -13-695 -13-695 -13-792 -13-792 -13-793 -3-43	- 0250 - 1000 - 2050 -
- 258 - 587 - 1145 - 17	9-883 9-866 9-282 9-861 9-282 9-81 9-183 9	-23 - CC - 23 -	18-850 18-86C 18-86C 11-86C 13-99C 13-99C 13-36C 12-70C 11-80C	16-0C -23-0C -23-0C -23-0C -23-0C -23-0C -102-0C -102-	15.188 11.968 7.117 2.032 2.032 -2.032 -12.538 -12.538 -12.538 -2.516 -2.516 -2.516 -2.516 -3.469 -2.516 -3.469 -2.516 -3.469	-6-447 -10-694 -11-695 -11-695 -11-696	-075 -050 -100 -150 -200 -250 -300 -300 -350 -300 -500 -500 -500 -5
	9-889 9-222 0-681 0-731	-23 - C0 -43 - L0 -122 - L0 -123 - L0 -123 - L0 -133 - L0 -134 - L0 -135 - L0 -13	18-85c 18-86c 18	16-0C	15.188 11.468 7.117 2.1032 -7.387 -12.538 -12.538 -12.538 -12.538 -2.356	-6-447 -10-694 -13-697 -13-697 -13-697 -13-792 -11-822 -11-827 -11-827 -17-3 -7-15 -	-075 -050 -100 -150 -250 -250 -350 -350 -350 -350 -350 -350 -350 -3
- 258 - 587 - 1145 - 17	9-883 9-866 9-282 9-861 9-282 9-81 9-183 9	-23 - CC - 23 -	18-850 18-86C 18-86C 11-86C 13-99C 13-99C 13-36C 12-70C 11-80C	16-0C -23-0C -23-0C -23-0C -23-0C -23-0C -102-0C -102-	15.188 11.968 7.117 2.032 2.032 -2.032 -12.538 -12.538 -12.538 -2.516 -2.516 -2.516 -2.516 -3.469 -2.516 -3.469 -2.516 -3.469	-6-447 -10-694 -11-695 -11-695 -11-696	-075 -050 -100 -150 -250 -250 -250 -350 -350 -350 -550 -550 -550 -550 -5

	DISTRIB	LITION OF CLARE	NT AND CHARGE	SPARSAGE	ANTENNA OVER	BIST EARTH	
		TAL0980	BETAL	BETAC . 1.100	Livia	PDAC . 1.000	
FREGU	EACY . 300.0	Q#=2	PE	DZLAPDA	cněá	RL . 213.	
				AT CISTAIGUTIO			COURT
					N IN MAJY OLT		
		DATA	NORMA	LIZED CATA			
2/4	DA HHI	IRFAZ	INMAG	8.00 -10.80 -80.00 -37.00	INPEAL	INIPAG	Z/LAPCAD
\$000	8.494 8.429 8.314 7.976	100.00 84.80 78.66		. 8.00	*****		.003
4/101	4.314	78.00	**************************************	-10.80	4 - 390 4 - 135 3 - 370 2 - 292 1 - 002 272		-025
- 122	7.747	38.60	*****	-37.00	3.370	+2.540	•100
-163		19.50	*-180 *-000 3-900	-56.20 -76.60 -94.00	5.505	-3.424	.150
.245	7.371	1.00	3.900	-94.00	272	-3-890	.250
.285	7:106	-30.20	3.760	-113.80	-1:099	-3.448 -2.595 -1.517	.300
.326	0.426	-58.50 -78.60	3.400	-153.F3 -173.60		-1-517	00
••¢8	5.459		3.100	-193.00	-3-140 -3-021 -2-584	.697	•500
	5.743	-117.4C -137.4C	3.060	-212.40	-2-564	2.393	.550
-530	5.594	-156.20 -175.60	2.960	-251.20 -270.60	95a -031	2.802	-650
.612	5.461	-193.20	2.960		•031	2.960	•700
.653	5-103	-211.5C	2.700	-3C4.EC	1.004	2.170	.800
.734	**57*	-531.00	2.560	-326.6C	2-137	1.409	·650
.775	**309	-252.00 -272.50 -292.00	5.590	-3c6.5c -326.6c -347.0c -367.5c -387.co	2-014	1.409 .544 298 -1.026	.950
		-636.00	2.200	-387.60	2.014	-1.026	-984
		B. MEASI	RED CHARGE C	ISTRIBLTION IN			
	84. 1	ATA		LIZEC CATA	1100001748112		
2,0							
	-N-A'S	CRFAZ	GNMAG		GREAL	CHIPAG	Z/LAMDAO
• 605	15.287 11.537 10.600 9.850	-6.00 -13.20 -23.00	24.46C 18.46C 16.96C 15.76C	-53.00 -53.00 -6.00	24.326 17.972 15.612 11.712	-2.557	-006
. 82	10.600	-23.00	16.960	-23.00	15.612		•025
+122	9.284		15.76C 14.86C	-42.00 -61.80	11.712	-10.545	•050 •100
•163	8.912	-82.50	14.26C 13.50C 13.36C	-82.2C	7.022	-13-096	*150 *200
.545	3.437	-102.80	13.50C	-102.80	•2.991	-13-165 -11-102	•200 •250 •300
·285	8.300	-143.90 -162.80		-143.9C -162.8C	-10.730 -12.323	-7-825	•350 ••00
.367	7.747	-181.20	12.90C 12.46C 12.00C	-181.20	-12.323	-3.815	**50
**08	7.500 7.225 6.937	-20C-2C	12.000	-161-50	-12.457 -11.262 -9.256 -6.207	4.144	•500
• • • • • • • • • • • • • • • • • • •	6.937	-216.80 -236.00 -255.00	11.56C 11.10C	-516.80	-6.207	9.505	•550 •600
.571	0.137	-276.60	10.200	-255.00	1.129	9.852	•650
.612	5.912		9.300	-319.00	4.48C	8-150	•700 •750
.693	5.912 6.100 5.912	-319.00 -339.00	9.460	-319.00		6.206 3.498	.800
.734	5.912	-358.00 -378.27	9.460	-358.00	3.454	-2.678	•850 •900 •950
.653 .693 .734 .775 .605	6.750	-389.20	9.460 9.600 10.800	-319.00 -339.00 -358.00 -376.20 -385.20	3.428	-2.678	.950
	DISTRIBU	TION OF CLARES	T AND CHARGE	BEVERAGE A	TENNA BUER HE	IST EARTH	
	ALFAL/BET	AL0980	BETAL /P	ETAC . 1.106	11014	.500	
FRESTE	-CY - 300-001			CZLAPDAC			
						RL - 213.0	COMPS
				T CISTRIBLTION	IN PAPE OLT		
	9A- D			IZEC CATA			
2/11	IRM AG	IRFAZ	INPAG	INFAZ	INFEAL	INIMAG	Z/LAMDAD
.03*	7.*0* 7.567 7.475	90.00	*.30C	7.50	4.263	.561	•003
+1.69	7.473	78.00 67.50	**180	-4.50 -15.00	4.167 3.980	328	.025
•138 •207	7.405	06.00	4.08C 3.96C	*36.50 *56.00	3.580	-1.066 -2.427 -3.283	-050 -100 -150
.275	7-151	7.40	3.94C 3.90C	-75.10 -94.50	3.880	-3.283	·150 ·200
.344	7.073	-12.00	3.900	-94.5C	306	-3.888	•250
••82 •551	5.789	-29.00 -48.50	3.68C 3.46C	-111.5C -131.CC	-1.349 -2.270	-3.424	•300 •350
16.50	5.481	-68.00	3.300	-15C-5C -17C-5C	-2-872	-1-625	
•667	5.409	-68.00 -88.00 -108.00	2.980	-190.50	-5.930	.5+3	50
		e. "EASUA	ED CHANGE CI	STETELTIEN IN F	100001/VOLT-F		
	FA- DA	ITA.	NORMAL	STRIBLTION IN P			
2,4	AN AI	PAL WE	GNMAG	GNFAZ	CHPEAL	CHIPAG	Z/LAMDAO
008	17.773 11.733 11.730 9.13.	-3.60 -10.50 -19.50	24.440	-3.60	24.432	-1.537	•006
. 69	1 . 30	-1C-50 -19-50	24.44C 18.7CC 17.GGC	-3.60 -10.50 -19.50	24.432 18.387 16.025	-3.408	.025
·136	9.13.	-11.50 -57.80	15.820	-41.50 -57.80	11.848	-10.483 -12.371	-050
• : 75	7 . 131	-77.9c	14.620	•77.9C	2.960	-12-371	.150
*344	7.023	-99.20	15.920	-99.20		-13.806	.500
• 482 • 551	7.729	-120.00	12.8.C 13.10C	-120.00	-6.42C -10.181	-11-120	•300
**27	722	-16C.CC -179.CC	12.580		-11.821	303	• • • • •
*1.71	0.531	-192.00	12.58C 12.76C 14.46C	-16C.CC -175.CC -192.CC	-14.144	3.006	*450
							. 407

TABLE 3.4 (CONTINUED)

				ON BEVERAGE			
F.05				BETAC . 1.032			
HEGGE	ENCY . 300.00		PE012		C • .050		CCOMPS
		٠. *	EASURED CLARE	AT DISTRIBUTIO	A IN MAJU BLT		
	544 C			LIZEC CATA			
2/-	Inm AG	IRFAZ	INMAG	INFAZ	INFEAL	INIMAG	Z/LATDAD
.002	0.303	100-00	3.820	10.00	3.742	-663	.003
. 29	0.70	78.20	3.760	-2.cc	3-758	131	•025 •050
.057	2.474	58.20	3.560	-31 - 8c		-1.876	•100
. 36	5.47.		3.560	-50.20	3.026	-2.735	*150
.115	5.676	21.00	3.440	-69.CC	1.533	-3.212	.200
.172	5.379	-17.00	3.320	-88.CC	•116	-3.318 -3.118	·250
.201	5.285	-17.00 -35.40	3.200	-107-00 -125-80	-1-872	-2.595	-350
.230	5.144	-51-00	3.120	-1+1.CC	-2 - + 25	-1.963	00
·258	5-1-9	-73-60	3.150	-163.CC	-2-984	912	50
.316	5.0.9	-91.00 -109.00	3.180	-181.CC	-3-180	.055	•500 •550
.344	**950	-128.00	3.000	-218.CC	-2-364	1.847	•600
. 373	***51	-146.00	2.9.0	-236.CC	-1-644	2.437	-650
.+31	**587	-166.CC -183.6C	2.8+C 2.78C	-256.CC	687	2.756	.700
. 459	**587			-273.6C	175	2.775	•750 •800
	**55*	-20C-50 -219-00 -238-20	2.760	-309.00	1.737	2.145	.850
•517 •5•5	**354	-238.20	2.660	-328.20	5.561	102	•900
.574	*.356	-250.20	2.640	-346.2C	2.564	161	.950 1.000
.003	**290	-292.00	2.600	-385.00	2.411	974	1.050
.631	***57	-31C - 8C	2.580	-+cc.8c	1 - 953	-1-686	1.100
.660	500.0	-328.AC	2.480	18.80	1.585	-2-121	1-150
.718	4.759	-365.40	2.460	-437.60 -455.40	.533	-5.455	1.200
.746	3.49.	-383.60	2.360	-473.6C	945	-2-163	1.300
.775 .504	3.428	-+05.+0	5.350	-492.80	-1-276	-1.702	1.350
	3.531	-421.ec	2.2.0	-511.60 -530.50	-1-970	-1-065	1.400
.852	138	55.80	2.120	-545.80	-2-111	353	1.450
				STRIBLTION IN	PICCOUL/VOLT-		
	AA- D			IZEC CATA			
2/-	GRMAG	GRFAZ	GNMAG	GNFAZ	GNREAL	CNIMAG	Z/LAMDAD
•003	11.389	-5.00	20.520	-5.CC	20.442	-1-788	.006
•11•	7-0-8	-11-00	15.66C 13.78C	-11.00	15.372	-2.988	.025
.057	5.993	-39.00	12.600	-20.20	12.932	-4.758 -7.929	·050
86	6.743	-58.20	12-160	-58.2C	6.408	-10-335	-150
+115	5.549	-76.40	11.980	-76.8C	2.736	-11-663	.500
·1**	6.493	-95.00 -113.00	11.700	-95.0C	-1.020	-11-655	.250
.201	6.294	-131.00	11.34C	-113.00 -131.00	-7.44C	-10.439 -8.558	•300 •350
.230	0+1+9	-144.CC	11.080	-144.00	-8.964	-6.513	••00
·258	5.794	-167.00		-167.CC	-10.523	-2.429	• • • 50
.316	5.750	-185.50 -203.00 -222.50 -241.00	10.440	-185.5C -2C3.CC	-10.392	1.001	•500
.344	5.694	-222.50	10.360	-263.50	-9.536 -7.564	6.932	•550 •600
.373	5.49+	-2+1.CO	9.900	-241.CC	-4.800	8.659	.650
.431	5.395		9.720	-56C + CC	-1.688	9.572	.700
59	5.250	-278.00	9.720	-278.CC	1.353	9.625	.750
.488	5 - 195	-296.00 -31*-50	9.360	-314.50	6.561	8.503	.800
•517	5 . 95			-333.2C	8.194	4 - 139	·850 ·900
·5+5	4.995 4.695	-351.4C	9.000	-351.4C	8.899	1.346	•950
.603	4.451	-388.00	8.740	-365.40	8.702	-1.441	1.000
	4.793	-406.00	8.640	-406.00	7.717	-6-215	1.050
.631		**24.50	8.460	-924.50	3.642	-7.636	1.150
·631	**695						
.631 .660 .689	4.595	-443.EC	8.460	-443.5C	.958	-8-+06	1.200
.631 .660 .689 .718	***95 ***95	**62.00	8.100	-+62.00	-1-68+	-7-923	1.250
.631 .660 .689 .718 .746	***95 ***95 **396 ***95	62.00 81.00	8.100 7.920 8.100	-+62.CC -+81.CC -+99.CC	-1-684	-7-923 -6-789	1.250
.631 .660 .689 .718	***95 ***95	**62.00	7.926	-462.CC	-1-68+	-7-923	1.250

TABLE 3.4 (CONTINUED)

	DISTRIB	TIBN OF CURTE		ON BEVERAGE A			
	ALFAL/HE	AL0620		SEO. 1 . 032			
FREGUEN	Cr . 300.0	MHZ S	PE012	CZLAPDAC	060	RL . 242.0	COHPS
		A. ME	EASURED CLERES	T DISTRIBUTION	IN MAJY BLT		
	-			IZEC CATA			
2/-	IHM AS	IRFAZ	INPAG	INFAZ	INREAL	INIMAG	Z/LAMDAO
•002	6.29A	100-00	3.90C 3.72C 3.68C 3.68C	7.50 -4.50 -15.50 -36.20	3+867 3+709 3+546 2+905		.003
.000	5.943	88.00 77.00 56.30	3.680	-15.50	3.546	292	•025 •050
.081 .121	5.749	37.10		-55.4C		-2-126	·100
101	5.717				.944	-3.406	.500
.242	5.556	1.00	3.400	-108.70 -126.50	-944 092 -1-103 -1-987		-300
.355	5.394		3.3.0	-126.50	-1-987	-2.685 -1.805 818	•350
. 362	5.200 5.004 4.845	-53.40 -72.20 -90.20	3.100	-145.50 -164.70 -182.70	-1-987 -2-666 -2-990 -2-997 -2-706 -2-197 -1-275 -594 -288 1-125	818	••50
3	**7**	-110.50 -130.00	2.9.0	-182.70	-2-206	1.149	-550
.523	• . 710	-13C.CO -151.60	2.980	-222.50	-2-197	2.627	-600
.564	***13	-166.00	2.980	-244.1C -258.50	594	2.920	.700
.60*	*****	-183.00	3.000	-275.50 -292.50	1.125	2.986	•750 •800
.684	*******	-217.70	5.920	-31C.2C -327.80 -3*7.20 -3e2.CC	1.885	2.230	·850 ·900
.725	**102	-254.70	2.540	-3-7.20	2.302	.563	•950
.792	4.070	-183.00 -200.00 -217.70 -235.30 -254.70 -269.50	3.5-c 3.4-c 3.3-c 3.3-c 3.000 2.3-c	-362.00	2.518	088	-984
		B. MEASU	RED CHANGE C	STRIBLTION IN	PICCOUL/VOLT-		
	HA-			STRIBUTION IN			
2/4	GRITAG	-2.50 -8.50 -15.30 -35.00 -53.70 -72.60 -92.00	GNMAG		CHREAL	CHIPAG	Z/LAMDAO
• 005	11.400	-2.50	21		******		•006
•(20	11.888 d. 591 7.992	-8.50	16.020	-8.50 -15.30	21.400 15.844 13.890 10.616 7.246	934 -2-368 -3-800	•025
•040 •081	7.193 6.793	-15.30 -35.cc	12.900	-15.3C	13.890	-3-800	-050
.081 .121 .161	5.593	-53.70	12.240	-35.cc -53.7c	7.246	-7.434 -9.865	•100 •150
.201	0.349	-92.00	11.000	-92.00	3.553	-11-336 -11-433	·200
585	0.194	-111.50 -130.40 -148.60 -166.80 -183.60 -200.50 -217.80 -236.20	11.260	-53.70 -72.60 -92.00 -111.50 -130.40 -148.60 -166.80	-7.233	-10-477 -8-499 -5-773	•300
.322	0.149	-148.60	11.030	-148.60	-9.457	-5.773	00
.403	5.99	-183.60	10.980	-166.8C -183.6C	-10.69C -10.779	-2.507 -678	•500
.443	5.950	-200.50	10.720	-166.8C -183.6C -2CC.5C -217.8C -236.2C	-10.041	3.754	-550
.523	5.450	-236.20 -255.80	9.820	-236.20	-5.463	8.160	-650
.604	5.053	-276.40	9,100	-255.80 -276.40 -297.50	1.014	9.423	•700 •750
.644	5.295	-297.50 -316.30	9.180	-297.50	4.239	8-143	.800
.725 .765	5-195	-316.30 -335.LC	9,300	-335.00	8.483	3.956	-900
.795	5.596	-353.cc -365.50	21.420 14.020 14.900 15.900 11.820 11.820 11.820 11.620 10.920 10.420 9.820 9.820 9.120 9.120 9.130 9.130 9.130 9.130	-316.3C -335.0C -353.0C -365.5C	-2.384 1.014 4.239 6.897 8.483 10.005 11.825	1.226	-987
	LISTALEU	TION OF CURREN	T AND CHARGE	ON BEVERAGE A	ATENNA OVER PO	IST EARTH	
	ALFAL/BET	ALC620	BETAL/B	ETAC . 1.032	LIZLAN	DAD500	
FREQUE	CY . 300.00	M+2 P				RL . 242.0	COHES
				T CISTRIELTIEN			
	HAN D			IZEC CATA			
2/-	IHM AG	IRFAZ	INPAG	INFAZ	INPEAL	INTMA	Z/LAMDAD
.004	0.95	110.00 97.60 86.50 65.80 46.40	3.960 3.800 3.740 3.700 3.640		3.900		•003
. 67	6.669	97.60	3.800	1C - CC -2 - 4C -13 - 5C -34 - 2C	3.900 3.797 3.637	159 873 -2-080 -2-930	•025
.202	594	65.80	3.700	-34.50	3.060	-5.000	.050 .100 .150
.269		28.00 10.00 -7.50 -25.60	3.600	-53.6C	2.160	-3.462 -3.640	-150
	5.384	10.00	3.640	-72.00 -90.00	1.155	-3.640	·200 ·250
	5.037	-25.60	3.440	-107.50 -125.60	-1.046	-3.319	· 300
.539	5.791 5.511 5.335	-63.00	3.46C 3.30C 3.16C 3.06C	-144.CC	-2.002 -2.670 -3.003	-1-940	**00
.652	5.335	-77.60	3.0.0	-177.6C	-3-037	127	
		B. PEAC.	900 Carage Ct				
	94. 7		and the	STOTELTION IN	- ICCOCLYVOL 1-		
2,=	28743	GEFAZ	- NORPAL	GNFAZ		CNIPAG	Z/LAMDAD
	14.500			-9 -0	01.000		*006
.67	10.003	-2.00 -8.30 -16.20	10.000	-8.30 -16.20	15.832	-2.310 -3.973	•006 •025 •050
135	5.100 7.630	-16.20 -34.00	15.960	-16.20	15.832 13.675 10.744 7.318	-3.973	•050 •100
.202	7.630	-53.00 -71.70	12.100	-34.00 -53.00 -71.70	7.318	-7.247	.150
.337	6.702	-91.50	11.0.0	-91-50	289 -3.963	-11-317 -11-036	.250
••72	7.,50	-111.20		-111.20 -130.50	-7.326	-10-218	•300 •350
.539	7.300	-15C-CC	11.65C 13.76C	-13C-5C	-9.561	-5-520	••00
.656	8.000	-181.00	13.760	-161-00	-11.933 -13.758	-2-389	**50

	ALFAL/BET	AL0+38	BETAL/B	ETAC . 1.011	L1/LA	PCA0 . 1.500	
FREGLE	NC* . 300.00	P-2 P	E012	DILAPDAC	· .166	RL . 242.0	COHPS
		A. ME	ASURED CURREN	T CISTRIBLTION	IN MAJY BLT		
	RAN D	ATA	NORMAL	IZEC DATA			
/-	IRM AG	IRFAZ	INMAG		INREAL	INIPAG	Z/LAMD
-002	2.447	110.00 107.20 87.90	3.660	1C.CC 7.2C -12.1C	3.624	-639	.003
14	2.367	107.20	3.6+C 3.56C	12.10	3.611	.456	.050
. 57	2.367	67.90	3.380	-32-10	5.663	-1.796	•100
. 86	805.5	51.00	3.380	-32.10 -49.00		-2.506	-150
.114	2.101	35.50	3.220		1.217	-2.981	.200
.1.3	880.5	13.20	3.1+C 3.0+C 3.0+C 3.0+C 3.0+C 3.0+C	-67.80 -86.80 -106.60	1.217 .175	-2.913	·250
.172	5. 55	-6.60	3.0.0	-126.40	-1.000	-2.447	.350
005.	5.055	-45.60	3.000	-126.40	-1.80.	-1.717	**00
-258	2.045	-63.60	3.080	-145.60 -163.60 -181.00	-2.955	870	.450
.286	2.043		3.080	-181.CC	-3-080	· 054	-500
.315	2.061	-98.40 -115.40 -132.40 -150.50		-198 .4C	-5.945	.979	•550
.343	5.055	-115.40	3.C+C 2.98C 2.80C 2.74C	-198.4C -215.4C -232.4C -25C.5C -269.5C -288.8C	-2.478	1.761 2.361 2.639	-600
.372	1.985	-132.40	2.980	-232.4C	-1.818	2.439	•650 •700
.401	1.452	-150.50 -169.50	2.740	-250.50	*****	2.740	.750
. 458	1.795	-188.80		-288.80	.870	2.556	.800
. 486	1.795	-213.50	2.700	-313-50	1 . 859	1.959	.850
.515	1.425	-228.80	2.740	-313.50 -328.80 -347.00	2.344	1.419 .625 .319	.900
	1.849	-247.00	2.740	-347.00	2.709	.625	1.000
.572 .6C1	1.375	-253.50	5.850	-353.50 -38C.00	5.805	978	1.050
.630	1.862	-297.30	2.70C 2.74C 2.74C 2.82C 2.86C 2.86C 2.86C	-397-30	-2478 -1818 -935 -024 -870 1859 2-344 2-709 2-862 2-688 2-227	-1-697	1.100
.658	1.435	-312.50	2.760	-412.50 -432.00 -48.50	1.680	-2-150	1.150
.687	1.769	-332.00	2.660	-+32 · CC			1.200
.715	1.742	-348.5C		-448.50	-069	-2-619	1.250
.744	1.662	-367.8C	2.500		764	-2.380	1.300
-801	1.676	-368.CC	2.520	-428.CC	-2-085	-1.343	1.400
.830	1.623	20.60	2.460	-526.60	-2-374	565	1.450
.649	, 1.623	-+39.00	2.440	-535 -CC	-2-440	043	1 - 484
				STRIBLTION IN	PICCOLL/VOLT-	•	
	QA- (IZEC CATA			
7,-	GHMAG	GRFAZ	GNMAG	GNFAZ	GAREAL	CHIPAG	Z/LAMD
003	3.363	-7.00	14.650	-7.CC	20.218	-1.782	•00•
.029	2.954			-16.8C	12.311	-3.717	.05
. 57		-36.00	11.40C 10.96C 10.96C	-36.CC	9.223	-6.701	•10
.114	5.251	-53.80 -73.00	10.960		3.204	-8.844	.15
		-/3.00		-73.CC	3.20	-10.481	.25
·1*3	275	-90.50 -108.00	10.920	-9C-5C	-095 -3.325 -6.263 -8.369 -9.453 -9.459	-10.920	.30
200	2.512	•125 • CC	10.760 10.920 10.620	-106.00 -125.00	.6.263	-8.945 -6.538	• 35
.200	2.443	-142.00	10.620	-1+2.CC	-8.369	-6.538	••0
.258	2.314	-160.00	10.060	-16C.CC -179.CC -198.CC	-9.453	-3.441	- 50
.286	2 - 176		9.460	-179.00	*7.459	2.886	-55
.315	2 • 1 • 4	-198.CG -217.50	10.060 9.460 9.340 9.340	-217.50		5.710	•60
.372	2.167		9.420	-236.80	-5.158 -2.48C	7.882	-65
••01	2.2.3	-236.80 -255.00	9.580	-255.CC -272.5C	-2.480		•70
	5.526	*272.50	9.680	-272.5C		9.671	.75
58	2.245	-289.00	9.760	-583 · CC	3-178	9.556	.80
85	8.19.	-307.00	9.540	-272.50 -289.00 -307.00 -322.80	5.741	7.619 5.587	-85
515	2 - 125	-322.8c	9.5+C 9.2+C 8.90C	-302.EC	8.415	2.898	.95
572	1.973	-360.00	8.600	-3eC -CC	F.60C	000	1.00
.601	1.974	-378.50	8.600	-378.8C	8.141	-2.771	1.05
.63	1.969	0C-CC	8.56C	-+cc-cc	6.557	-5.502	1.10
	1.950	170	8.480	-417.4C	1.723	-7-144	1-15
-65A	2.29	-438.50 -453.00	0.640	-438.50 -453.00	1.723	-8.808	1.50
.687					*3.075	-8.224	
·687		**70.50					
.687 .715 .744	2.019	-470.50 -48.00	8.78C	-47C-5C	.5.219	-6.800	1.35
.687 .715 .744 .773	2.019 1.987	88.oc	8-640	-468.00	.5.219	-6.800	1.35
.687 .715 .744	2.019 1.987 1.960 2.79	88.oc	8.640	-468.00	.5.219		1.35

				N BEVERAGE AN	TENNA OVER PO	IST EARTH	
	ALFAL/BETA		BETAL/BE	TAC . 1.011	LIZEAP	DAD . 1.000	
FREQUE	ACY . 300.00F	-Z PE	.012	C/LAMDAC	1cc	RL . 242.00	OHFS
		A. MEA	SURED CLARENT	CISTRIBLTION	IN PAZY BLT		
	94- DA			ZEC CATA			
2/-		IRFAZ	1 6	INFAZ	INREAL	INTEAG	Z/LAMDAD
	IRM AG				2 402	.656	•003
.005	5.405 5.119 5.005 4.805 4.719 4.605 4.519	11C.00 99.00 88.00	3.78C 3.58C 3.50C	10.00 -1.00 -12.00 -32.00 -51.00	3.723 3.579 3.424 2.819	062	·025
.080	5.005	88.00	3.500 3.360	-12.00	3.424	-1.781	+100
.120	1.719	49.00		-51.0C	2.077	-2.565	·150
.160 .200	***519	3C.50 11.80	3.220	-88.20	2.077 1.128 .099	-3.016 -3.158	.250
.241	***65	-7.00 -25.50	3-120	-107.00	912	-2.984	·300
.361	****	-45.00	3-08C 3-08C 3-08C	-145.CC	-2-523	-1.767 890	·+00
.361	******	-8C.5C	3.040	-103.20	-3-0+0	.027 1.455	-500
	***0*		3.080	-208.20	-2-714	1.455	•550 •600
.521	307 307 307 307 307	-115.60 -133.20 -151.00 -170.00	3.0.0	-51.00 -65.50 -107.00 -125.50 -145.00 -163.20 -163.20 -26.50 -215.60 -233.20	-3.040 -2.714 -2.472 -1.761 -944 -000	1.770 2.354 2.742	.020
.561	**147	-191-00 -170-00	2.900	-27C - CC	•000	2 220	•700 •750
-6*1	3.947	-188.60	2.760	-248.6C	1.724	2.206	-800 -850
.722	3.997		2.760	-326.60	2.30.	1.519	-900
.762	3.947 3.918 3.918	-590.00 -540.00	2.76C 2.80C 2.76C 2.74C 2.74C	-366.60 -346.00	*000 *880 1•724 2•304 2•659 2•740	2.616 2.206 1.519 .663	.984
		B. PEASUR	ED CHARGE CIT	STRIBLTION IN F	ICCOUL/VOLT-F		
	94- D	ATA	NORMAL	IZEC CATA			
2/=	2AMAG		ENMAG		GAREAL	CNIMAG	Z/LAMDAQ
				2 00			-006
• 005	10.251 7.536 6.635 5.180 5.576	-3.00 -11.00 -17.20 -35.50	20.92C 15.38C 13.5+C	-3.00 -11.00 -17.20 -35.50	20.891 15.097 12.934 9.769 6.560	-1.095 -2.935	•025
-546	5.48	-17.20 -35.50	13.5.0	-17.20 -35.50	12.934	-6.960	•050 •100
.120	5.576	24.20	11-380	.54.80	6.560	-9-299	•150 •200
005.	5.027	-73.50 -92.00	11.280	-73.50 -92.00	3.204	-10.815	.250
1.55	529	-109.50	11.08C 1C.96C	-105.50 -127.00	-3.699	-10-444	•30C •350
.351	5.223	-144.50	10.660	-144.5C	-8.678	-6-190	• 400 • 450
-961 -601	5.76 920 471	-144.50 -162.00 -180.50 -199.20	10.660 10.360 10.040 9.940	-162.00 -180.50 -199.20	-10.040	3.269	-500
	***71	-199.20	1C.C+C 9.9+C 9.8+C	-199.20 -218.50	-1C.C+C -9.387 -7.701 -5.279	3.269	•550 •600
.521	**72*	-236.80	9.640	-536 . BC	-5.279	8.060	-650 -700
-561	**72*	-255.50 -273.60	9.640	-255.50 -273.60 -292.00	.5.414	9.621	•750
-601	*****	-292.00	9.840	-292.00	3.686	9.123 7.526	*800
.681	•.773	-328.00 -347.80	9.6-0	-328.00	9.175	5.108	.900
.762	****** ****** ******	-328.00 -347.80 -362.00	9.6+C 9.8+C 9.7+C 9.6+C 10.6+C	-328.CC -347.8C -362.CC	12.293	429	1987
	-						
	r.te.s.in.	TIRE OF CURREN	* *** ****	ON BEVERAGE A	ATENNA AUER P		
	DISTRIBU	AL043A	AND CHARGE	ETAC . 1.011			
			BETALZE	ETAC - 1.011	LIZEA	- DAG • .300	
FREGUE	ENC* . 300.00					RL . 242.0	106HFS
		A. PE	ASURED CURREN	T DISTRIBUTION	IN PAZY BLT		
	SA- D	ATA	NORMAL	IZED DATA			
2/-	IRM AG	IRFAZ		INFAZ	INREAL	INIPAG	Z/LAMDAO
·00+	6.39.	110.00	3.84C 3.66C 3.60C 3.54C 3.86C	10.00	3 · 782 3 · 658	-667 115	.003
·133	6.39. 6.9. 5.79.	98.20	3.660	-1.8c	3.658	115	·025
.134	5.59.	87.00 67.50 49.20	3.540	-13.00 -32.50 -50.80	2.986	810 -1.902 -2.697	·100 ·150
.201	5.794	30.50		-69.50	1.219	-3.260	•500
.335	5.494	12.80	3.300	-87.20		-3.296	.250
**01 **68	5.295	-27.00	3-100	-106.8C -127.00	-1-91+	-3.0	300
.602	5 · 195 5 · 161 5 · 161	-6.80 -27.00 -46.40 -65.00 -79.50	3.100	-106-8C -127-0C -146-4C -165-CC -175-5C	-2-599 -2-994 -3-100	-1.727	.450
-648	5.161	-79.50	3.100	-175.50	-3-100	027	.484
		0	8=0 C00= C				
	RAN C		HED CHANGE C	ISTRIBLTION IN	-100001740114		
			NOW!				and the second second
2/=		GRFAZ		ENFAZ			Z/LAMDAO
•008 •033 •067	12.036 8.933 7.729	-3.50 -9.80 -18.30 -37.00 -56.00 -74.80	2C.+CC 15.1+C 13.10C	-3.50 -9.60 -18.30	20.362 14.919 12.437	-1.245 -2.577 -4.113	-006
• 067	7.729	-18.30	13.100	-18.30	12.437	-4-113	· 025
.134	7.021	-56.00	11.900	-37.00 -56.00	9.504	-7.162 -9.451	·100
.268	6.725	-74.80	11.400	-74.8C	2.989	-11-001	.200
.*01	6.725	-111.50	11.400	-111-50	-4.178	-10-607	•300
-535	6.325	-122.00	11.220	-125.CC	-7.C61 -9.031	-8-720	•350 •400
.652	5.020	-166.70 -181.40	13.600	-166.7c	-10-919	-2.581	*45C
			10.000		-1		,

TABLE 3.4 (CONTINUED)

			ON BEVERAGE A			
ALFAL/BET						
NC* . 300.00						COMPS
	A. ME	ASURED CURREN	CISTRIBLTION	IN MAJY BLT		
RA- D	ATA	NORMAL	IZEC DATA			
IHM AG	IRFAZ	INMAG	INFAZ	INREAL	INIPAG	2/LAMDAG
6.100	110.00	3.120	10.00	3.073	.542	.003
	96.20	2.960	-13-10		**653	•050
5.396	66.90	2.760	-33-10	2.315	-1-507	-100
5.279	48.80	2.700	*51.2C	1.692	-2 · 1 C •	·150
5.200	12.60	2.600	-87.40			.250
****	-5.20	2.48c	-105.20	650	-5-393	•300
4.692	-24.20	2.400	-124.20	-1-349	-1-985	•350
***96	-**•60	2.30C	-1** · 0C	-1-861	-1.356	.400
4.575	-83-60	2.340			+147	·5co
4.575	-101.60		-2c1-6C	-2-176	.861	+550
4.575	-120-00	2.340	-55C · CC			•600
• • 575	-137.CC		-237.CC	-1.574	2.256	-650 -700
		2.300	•271.0C		2.299	.750
4.379	-189.CC		-285.CC	•729	2.118	.800
**553	-5C8.CC	5.1¢C	-3C# -CC	1.330	1.702	·850 ·900
**1*5	-227.60	5.150	-327.6C		10130	•950
	-266.00	2.100	-366.00	2-128	224	1.000
4.340	-285.CC	2.250	-385.CC	5.015	938	1.050
***96	-302.40	2.300	-+C2.4C		-1-551	1-100
**536	-319.60	2.350		1-195	-1.989	1.150
*****		2.400	-451.50		-2.399	1.250
4.496	-367.5C	2.300	-467.5C	692	-2-194	1.300
	-385.5C				-1.824	1.350
	00	2.150	-504.40	-1.72	-1.506	1.450
3.532	-441.50	1.960	-5+1.5C	-1-959	+051	1 - 484
	B. PEAS	RED CHARGE CI	STRIBLTION IN	PICCOUL/VOLT-		
PAH C	ATA	NORMAL	IZEC CATA			
	GRFAZ		GNFAZ	GAREAL	CNIPAG	Z/LAMDAD
11.478						
11/-	-4-60	17.260	-4.8C	17.199	-1-444	•006
c.*85	-1.60 -10.50	12.760	-1C.5C	12.546	-2-325	•006
7.288	-10.50 -18.40 -35.70	10.960	-1C.5C	12.546	-2-325 -3-460 -5-649	.006 .025 .050
6.485 7.288 6.437 5.932	-10.50 -18.40 -35.70 -53.50	12.76C 1C.96C 9.68C 8.92C	-1C.5C -18.4C -35.7C -53.5C	12.546 10.400 7.861 5.306	-2.325 -3.460 -5.649 -7.170	.006 .025 .050 .100
0.485 7.288 0.437 5.932 5.785	-10.50 -18.40 -35.70 -53.50 -72.50	12.760 10.960 9.680 8.920 8.700	-1C.5C -18.4C -35.7C -53.5C -72.50	12.546 10.400 7.861 5.306 2.616	-2.325 -3.460 -5.649 -7.170 -8.297	.006 .025 .050 .100 .150
6.485 7.288 6.437 5.932 5.785 5.639	-10.50 -18.40 -35.70 -53.50 -72.50	12.760 10.960 9.680 8.920 8.700	-1C.5C -18.4C -35.7C -53.5C -72.50	12.546 10.400 7.861 5.306 2.616	-2-325 -3-460 -5-649 -7-170 -8-297 -8-477	.006 .025 .050 .100 .150 .200
6.485 7.288 6.437 5.932 5.785 5.639	-10.50 -16.40 -35.70 -53.50 -72.50 -91.50	12.76C 1C.96C 9.68C 8.92C 8.70C 8.48C	-1C.5C -18.4C -35.7C -53.5C -72.50 -91.5C -1C9.5C	12.546 10.400 7.861 5.306 2.616	-2.325 -3.460 -5.649 -7.170 -8.297 -8.477 -7.994 -6.902	.006 .025 .050 .100 .150 .200 .250
6.485 7.288 6.437 5.932 5.785 5.639 5.639 5.785	-10-50 -18-40 -35-70 -53-50 -72-50 -109-50 -127-50 -146-00	12.76C 1C.96C 9.68C 8.92C 8.70C 8.48C 8.48C 8.70C 8.56C	-1C.5C -18.4C -35.7C -53.5C -72.5G -91.5C -1C9.5C -127.5C	12.546 10.400 7.861 5.306 2.616 222 -2.831 -5.296 -7.097	-2-325 -3-460 -5-649 -7-170 -8-297 -8-477 -7-994 -6-902	.006 .025 .050 .100 .150 .200 .250 .300
6.485 7.285 5.437 5.932 5.785 5.639 5.639 5.639 5.639 5.636	-10.50 -18.40 -35.70 -53.50 -72.50 -91.50 -109.50 -127.50 -161.00	12.76C 1C.96C 9.68C 8.92C 8.70C 8.48C 8.70C 8.48C 8.70C	-1C.5C -18.4C -35.7C -53.5C -72.5C -91.5C -1C5.5C -127.5C -146.CC	12.556 10.400 7.861 5.306 2.616 -222 -2.831 -5.296 -7.097	-2-325 -3-669 -5-669 -7-170 -8-297 -8-477 -7-994 -6-902 -4-787 -2-735	.006 .025 .050 .100 .150 .200 .250 .350 .400
0.485 7.288 0.437 5.932 5.785 5.639 5.639 5.639 5.636 5.636	-1C.50 -18.40 -35.70 -53.50 -72.50 -91.50 -109.50 -127.50 -146.00 -161.00	12.76C 10.96C 9.68C 8.92C 8.93C 8.48C 8.48C 8.70C 8.56C 8.10C	-1C.5C -18.4C -35.7C -53.5C -72.5C -1C5.5C -127.5C -146.CC -178.CC	12.556 10.400 7.861 5.306 2.616 222 -2.831 -5.296 -7.097 -7.992 -8.095	-2-325 -3-460 -5-649 -7-170 -8-297 -8-97 -7-1994 -6-902 -4-787 -2-735 285	.006 .025 .050 .100 .150 .200 .250 .300 .350 .400
6.485 7.288 6.437 5.932 5.785 5.639 5.639 5.785 5.692 5.586 5.386 5.386	-10.50 -18.40 -35.70 -53.50 -72.50 -91.50 -109.50 -127.50 -146.00 -161.00 -178.00	12.760 10.960 9.680 8.920 8.700 8.480 8.700 8.560 8.100 7.800	-1C.5C -18.4C -35.7C -53.5C -72.5C -91.5C -105.5C -127.5C -146.CC -178.CC -178.CC	12.546 12.400 7.861 5.306 2.616 222 -2.831 -5.296 -7.097 -7.542 -8.095 -7.498	-2-325 -3-460 -3-649 -7-170 -8-297 -8-97 -7-994 -6-902 -4-787 -2-735 -2-283 2-150 4-293	*006 *025 *050 *150 *250 *350 *350 *450 *550 *550
0.485 7.288 0.437 5.932 5.785 5.639 5.785 5.639 5.785 5.186 5.187 5.187	-10.50 -18.40 -35.70 -53.50 -72.50 -91.50 -127.50 -161.00 -178.00 -178.00 -21.50	12.76c 9.68c 8.98c 8.70c 8.48c 8.70c 8.48c 8.70c 8.10c 7.48c 7.48c	-1C.5C -18.4C -35.7C -53.4C -72.5C -91.5C -127.5C -127.5C -146.CC -178.CC -178.CC -196.CC -214.5C	12.5%6 1C.**CC 7.861 5.306 2.616 222 -2.831 -5.296 -7.097 -7.982 -8.098 -7.498 -6.287 *4.305	-2-325 -3-46C -5-649 -7-170 -8-277 -8-477 -7-994 -6-902 787 -2-735 283 2-150 4-293 5-969	*006 *025 *050 *100 *150 *250 *350 *350 *550 *550 *650
6.485 7.288 6.437 5.932 5.785 5.639 5.639 5.785 5.692 5.186 5.386 5.187 5.041 4.894	-10.50 -18.40 -35.70 -53.50 -72.50 -91.50 -109.50 -146.00 -161.00 -178.00 -196.00 -21.50 -23.50 -23.50	12.760 10.990 9.680 8.920 8.700 8.480 8.700 8.560 8.100 7.480 7.480 7.460	-1C.5C -18.4C -35.7C -53.5C -72.5C -15.5C -127.5C -127.5C -146.CC -178.CC -196.CC -214.5C -234.2C	12.5%6 1C-%C 7.861 5.306 2.616 222 -2.831 -5.296 -7.097 -7.9%2 -8.095 -6.247 -4.305	-2-325 -3-46C -5-649 -7-170 -8-297 -8-477 -7-994 -6-902 -4-785 -2-150 4-293 5-969 7-092	-006 -025 -050 -100 -150 -200 -250 -300 -355 -000 -550 -600 -650
0.485 7.288 0.437 5.932 5.785 5.639 5.785 5.639 5.785 5.687 5.187 5.187 5.187 5.187	-10.50 -18.40 -35.70 -53.50 -72.50 -91.50 -127.50 -161.00 -178.00 -178.00 -218.50 -238.20 -258.50	12.760 10.990 9.680 8.920 8.700 8.480 8.700 8.560 8.100 7.480 7.480 7.460	-1C.5C -18.4C -35.7C -53.4C -72.450 -91.5C -105.5C -127.5C -146.CC -178.CC -178.CC -214.5C -234.2C -254.5C	12.5%6 1C.**CC 7.861 5.306 2.616 222 -2.831 *5.296 -7.097 -7.9%2 -8.095 -7.498 -6.227 *3.05 -1.567	-2-325 -3-46C -5-649 -7-170 -8-297 -8-477 -7-994 -6-902 -4-787 -2-783 2-150 4-293 5-969 7-092 7-342 6-939	.006 .025 .050 .100 .150 .200 .250 .300 .350 .500 .550 .500
6 + 85 7 - 28 4 6 + 93 5 + 93 5 - 785 5 - 639 5 - 639 5 - 639 5 - 639 5 - 636 5 - 187 5 - 781 6 - 898 4 - 898 7 5 - 987 5 - 98	-10.50 -18.40 -35.70 -53.50 -72.50 -91.50 -109.50 -127.50 -146.00 -196.00 -21.50 -23.20 -25.50 -27.00 -28.30 -27.00	12.78c 9.68c 8.92c 8.70c 8.48c 8.70c 8.50c 8.70c 8.50c 7.50c 7.50c 7.36c 7.50c 7.50c	-1C.5C -18.4C -35.7C -53.5C -72.5C -91.5C -105.5C -127.5C -146.CC -178.CC -196.CC -214.5C -224.2C -254.5C	12:5%6 1C.**CC 7.861 5.306 2.616 -222 -2.831 -5.296 -7.097 -7.982 -8.095 -7.988 -6.287 -1.967 -1.967 -1.967 -1.967	-2-326 -3-46C -5-649 -7-170 -8-297 -8-477 -7-994 -6-902 -4-787 -2-735 -2-735 -2-150 4-293 5-969 7-092 6-939 5-866	.006 .025 .050 .100 .200 .200 .200 .300 .450 .450 .455 .450 .455 .450 .455 .455
6 + 85 7 - 228 6 + 32 5 + 785 5 + 639 5 + 639 5 + 639 5 + 682 5 + 686 5 + 187 5 + (41 4 + 794 4 + 794 4 + 797 5 + 139 5 + 139 5 + 139 5 + 139 5 + 139 5 + 139 6 + 139	-10.53 -18.40 -35.70 -53.50 -72.50 -91.50 -109.50 -127.50 -146.00 -176.00 -176.00 -176.00 -176.00 -23.25 -25.50 -27.00 -29.30 -32.50 -32.50	12-7eC 10-9eC 9-68C 8-92C 8-92C 8-92C 8-92C 8-92C 8-92C 8-92C 7-88C 7-88C 7-88C 7-88C 7-86C 7-86C 7-86C 7-86C 7-86C	-1C.5C -18.4C -35.7C -53.5C -72.5C -91.5C -1C5.5C -127.5C -146.CC -178.CC -146.CC -178.CC -24.2C -24.2C -24.2C -27.5C	12.5%6 1C.40C 7.861 5.306 2.616222 -2.831 -5.296 -7.097 -7.992 -8.095 -7.498 -6.297 -4.305 -5.13846 4.929	-2-325 -3-46C -5-649 -7-17C -8-297 -7-990 -6-902 -4-787 -2-783 2-150 4-299 7-342 6-939 5-868 4-148	.006 .025 .050 .100 .130 .250 .250 .300 .350 .450 .450 .550 .650 .750 .750 .850 .850
6 - 85 7 - 228 6 - 37 6 - 332 5 - 785 5 - 639 5 - 639 5 - 639 5 - 186 5 - 187 5 - 187 5 - 189 • 189 • 1987 5 - 138 5 - 138 5 - 138 5 - 138 5 - 138 5 - 138	10.55 -18.*c -35.7c -53.50 -72.50 -109.50 -109.50 -161.cc -178.cc -27.5c -28.5c	12-780 10-980 9-880 8-920 8-920 8-920 8-820 8-700 8-850 8-700 8-800 7-800 7-800 7-360 7-360 7-360 7-660 7-860 7-860 7-860	-10.50 -18.40 -35.70 -53.50 -72.50 -91.50 -107.50 -16.00 -178.00 -178.00 -234.20 -234.20 -234.20 -274.00 -277.50 -277.50	12.5%6 1C.40C 7.861 5.306 2.616222 -2.831 -5.296 -7.097 -7.992 -8.095 -7.498 -6.2-7 -4.305 -1.967 -1.967 -6.511 2.846 4.929 6.511	-2-325 -3-46C -5-649 -7-170 -8-297 -7-992 -7-992 -2-735 -2-735 -2-159 -7-969 -7-969 -7-969 -6-936 -6	.006 .025 .050 .100 .200 .200 .200 .200 .300 .300 .450 .450 .450 .450 .450 .450 .450 .4
6-485 7-228 6-932 5-735 5-639 5-735 5-735 5-735 5-137 5-137 5-137 5-139 4-139 4-139 5-137 5-137 5-137 5-137 5-137 5-137 5-137 5-137	10.55 -18.*C -35.7C -53.*S0 -72.*S0 -109.*S0 -109.*S0 -146.*C0 -178.*C0 -274.*C0 -27	12-7eG 9-88C 8-99C 8-79C 8-84C 8-84C 8-84C 8-16C 7-18C 7-18C 7-9C 7-8C 7-8C 7-8C	-1C.5C -18.4C -35.7C -53.5C -72.5C -91.5C -127.5C -127.5C -146.CC -178.CC -178.CC -234.2C -234.2C -274.CC -274.2C -274	12.546 1C.40C 7.861 5.306 2.616 222 -2.831 -7.052 -7.052 -8.052 -7.458 -4.267 -4.367 -4.367 -4.367 -4.367 -4.367 -4.367 -4.367 -4.367 -4.367 -4.367 -4.367 -4.367 -4.367 -4.367 -4.367 -4.367 -7.479 -7.479 -7.479 -7.479	2-125 -3-46C -5-649 -7-170 -8-297 -8-992 -4-785 -2-785 -2-785 -1892 -3	.006 .025 .050 .100 .130 .250 .250 .300 .350 .450 .450 .550 .650 .750 .750 .850 .850
0.485 0.437 0.438	10.55 -18.40 -35.70 -35.70 -21.50 -21.50 -127.50 -127.50 -161.00 -161.00 -26.00 -27.50	12-7ec 1-9ec 9-8ec 8-9pc 8-7pc 8-8ec 8-8ec 8-10c 8-10c 8-10c 7-18ec 7-18ec 7-2ec 7-8ec 7-9ec 7-8ec 7-9ec 7-8ec 7-9ec 7-8ec 7-9ec 7-8ec	-16.50 -18.40 -35.76 -53.45 -72.45 -72.45 -10.55 -10.55 -10.75 -10.40	12.546 1C.40C 7.861 5.306 2.616 222 -2.831 -7.052 -7.052 -8.052 -7.458 -4.267 -4.367 -4.367 -4.367 -7.458 -4.367 -7.458	-2-125 -1-46C -5-1649 -6-127 -6-127 -6-127 -6-127 -6-126 -	.006 .025 .050 .100 .150 .200 .250 .300 .355 .400 .455 .400 .550 .400 .550 .400 .550 .400 .550 .600 .750 .800 .850 .850 .850 .850 .850 .850 .8
6-485 7-228 0-437 5-732 5-735	10.55 -18.*c -35.75 -72.50 -91.50 -102	12-7eG 9-89C 8-99C 8-79C 8-79C 8-84C 8-84C 8-84C 8-84C 7-86C 7-96C 7	-10.50 -18.40 -35.76 -53.50 -72.50 -51.50 -127.50 -127.50 -127.50 -127.50 -128.60 -128.60 -24.50 -24.50 -27.10 -27	12.546 1C.40C 7.861 5.306 2.616 2.222 -8.831 -7.942 -8.095 -7.498 -4.207 -1.967	-2-1355 -3-4640 -5-4640 -5-4640 -6-4902 -4-4902 -4-4902 -4-293 -1-293 -5-293 -5-293 -5-293 -5-393 -5-393 -1-482 -1	.006 .025 .050 .100 .200 .200 .200 .250 .250 .250 .250 .2
0+485 7+287 9+372 9+372 9+372 9+372 9+372 9+372 9+329 9+72 9+72 9+72 9+72 9+72 9+72 9+72 9+	10.55 -18.40 -35.75 -35.50 -35.50 -19.50 -19.50 -19.50 -16.00 -16.00 -18.00 -18.00 -18.00 -22.30 -22.30 -27.50 -27	12-7eG 1-9eG 9-8eG 8-8eG 8-8eG 8-4eG 8-4eG 8-1eG 7-8eG	-10.50 -18.40 -35.76 -53.85 -72.85 -53.85 -127.55 -127.55 -144.00 -178.00 -178.00 -274.00 -274.00 -274.00 -274.00 -274.00 -277.50 -277.50 -33.50 -3	12.546 17.400 7.861 5.306 2.222 -5.296 -7.992 -7.992 -8.095 -4.227 -1.967 -	-2-325 -3-46C -5-649 -7-1370 -6-297 -6-992 -6-795 -2-735 -2-735 -2-735 -7-382 -6-939 -7-382 -6-939 -7-382 -1-166 -7-382 -1-168 -1-186 -1-186 -1-186 -1-186 -1-186 -1-186	.006 -025 -050 -100 -100 -250 -250 -250 -350 -500 -350 -500 -350 -500 -350 -500 -350 -500 -350 -35
0 - 485 7 - 287 0 - 432 0 - 432 5 - 639 5 - 639 5 - 639 5 - 639 5 - 639 5 - 639 5 - 641 6 - 785 6 - 785 6 - 785 6 - 785 6 - 788 6 - 788 6 - 788 6 - 788 6 - 788 6 - 695 6 -	10.50 -18.40 -39.70 -39.70 -39.70 -27.50	12 - 7 - 8 - 6 - 7 - 8 - 7 - 7 - 8 - 7 - 7 - 8 - 7 - 7	-16.50 -18.40 -35.70 -55.70 -57.50 -10.550 -127.50 -144.00 -144.00 -144.00 -144.00 -144.00 -244.20 -274.00 -274.00 -377.00	12.546 1C.40CC 7.366 2.263 45.296 -2.831 45.296 -7.057 -7.057 -4.305 -4.207 -1.967 -4.207 -1.967 -2.866 -2.	-2-126 -3-4640 -3-4640 -3-4640 -3-4297 -4-1297	-006 -025 -050 -150 -150 -150 -250 -200 -250 -300 -350 -500 -500 -500 -500 -500 -5
0+485 7+287 9+372 9+372 9+372 9+372 9+372 9+372 9+329 9+72 9+72 9+72 9+72 9+72 9+72 9+72 9+	10.55 -18.40 -35.75 -35.50 -35.50 -19.50 -19.50 -19.50 -16.00 -16.00 -18.00 -18.00 -18.00 -22.30 -22.30 -27.50 -27	12-7-86 1-8-8-6 1-8-8-6 8-9-7-0 8-9-7-0 8-9-8-8-7-0 8-9-8-7-0 8-9-7-1 8-9-7-	-10.50 -18.40 -35.76 -53.85 -72.85 -53.85 -127.55 -127.55 -144.00 -178.00 -178.00 -274.00 -274.00 -274.00 -274.00 -274.00 -277.50 -277.50 -33.50 -3	12.546 1C.40C1 7.8618 2.3048 2.2831 4.292 4.2931 4.297 4.295	2-1265 -3-14699 -7-1470 -3-147	.006 .075 .050 .000 .200 .200 .250 .200 .250 .200 .250 .200 .250 .200 .250 .200 .250 .200 .250 .200 .20
- 485 - 287 - 287 - 287 - 287 - 192 -	-16.50 -18.40 -33.50 -33.50 -33.50 -33.50 -33.50 -19.50 -127.5	12 - 7 - 8 - 6 - 7 - 8 - 7 - 7 - 8 - 7 - 7 - 8 - 7 - 7	-16.50 -18.40 -25.70 -27.50 -27.50 -127.50 -127.50 -128.00 -128.00 -128.00 -234.20 -234.20 -27.50	12.546 7.8614 7.8614 1.6	-2-125 -3-4640 -3-4640 -3-4640 -3-4640 -3-4640 -4-297 -4-297 -4-293 -4-2	-006 -025 -020 -100 -200 -200 -300 -300 -500 -500 -550 -500 -750 -300 -300 -300 -300 -300 -300 -300 -3
	RA- 0 IMM AG **INT AG *	SAN GATA IMM AG 18FAZ ***INO	RCC * 3300-00PHZ	A. MEASURED CLORENT CISTRIBUTION BA- CATA IMM AS ISFAI IN-Mag ISFAI	RAC - 330-00PHZ	A. MEASURED CLORENT CISTRIBUTION IN PARA OLT BAR DATA NEMPLIES CATA INFA INFA INFA INFA INFA INFA INFA INFA INFA INFA

	DISTRI	BUTION OF CLARE	AT AND CHARGE	ON BEVERAGE	ANTENNA BYER	MOIST EARTH	
	ALFAL/8	ETAL0350	BETAL	BETAC . 1.CC4			
FREGU	ENCY . 300.	DOMHZ	PF012	D.C. AMD.	C - 200	RL • 380	
				NT DISTRIBUTIO		WL - 360	- OUGHPS
					A IN PARY BLT		
		DATA		LIZEC CATA			
2/-	IHM AG	IRFAZ	INFAG		INREAL	INIPAG	Z/LAMDAG
.005	6.503 6.176 6.012 5.767	110.00 98.50	3.18C 3.08C 2.94C 2.88C	10.00 -1.50 -12.40 -32.80	3.132 3.019 2.871 2.370 1.704	.552	-003
-040	6.012	87.60 67.20	2.940	-1.50 -12.40	3.019	079	.025
.120	5.767	67.20	5.850	-32.80	2.370	-1.528	.050 .100
-100	5.481	30.80	2.720	-51.20	1.704	-2.120	·150
005		12.60	2.580	-27.40	-117	-2.577	.250
.280	5.113 5.031 4.908 4.867	12.60 -5.60 -24.60 -44.30 -64.00 -82.20 -101.20 -119.50 -136.80	2.400	-105.60	-117 672 -1-397	-2.025	-300
.320	**908	-44.30	2.400	-144.30	-1-949	-1.400	**00
••00	**744	-85.50	5.350	-164.CC	-2-248	-089	• • 50 • 500
•••0	*****	-101.20	2.400	-201.20	-5-538		+550
.520	5.031	-136.80	2.460	-219.50 -236.80	-2-318 -2-238 -1-867 -1-397	1.539 2.058 2.395	-600
.601	5.113	-153.3c -170.00	2.500	-253.3C -27C.CC	718	2.395	•700 •750
.641	4.867	-186.00	2.380	-286.00	•656	2.500	•750 •800
.721	***703	-205.20	2.300	-3c5.2c	1.326	1.879	-850
.761	**295	-186.C0 -205.20 -224.C0 -245.20 -261.50	2.100	-324.CC -345.20 -361.50	2.030	.536	•900 •950 •984
*****	****13	-261.50	2.9% C 2.82 c 2.58 c 2.58 c 2.55 c 2.40 c 2.38 c 2.32 c 2.40 c 2.32 c 2.40 c 2.50 c 2.	-361.5C	.000 .656 1.326 1.780 2.030 2.059	2.395 2.500 2.288 1.879 1.293 .536	-984
		B. FEAS	RED CHARGE C	ISTRIBUTION IN			
	RAN	DATA	MORAL	LIZEC CATA	710002740[12		
2,4	GRMAG	GRFAZ		CNFAZ	GAREAL	CNIMAG	
•005 •020	11.607						Z/LAMDAO
.020	11.607 8.745 7.753	-6.50 -12.c0 -37.c0 -37.c0 -55.cc -73.50 -110.40 -128.00 -145.40 -163.00 -186.00 -197.50 -215.80	15.90C 11.94C 1C.62C	-6.50 -12.00 -20.00 -37.00 -55.00 -73.50	15.798 11.718 9.980	-1.800	.006
• (80	6.906	-20.00	10.620	-50.00	9.980	-3.632	-050
•120 •160	6 - 351	-55.CC	8.700	-55.CC	7.555	-5-693 -7-127	•100 •150
.500	6.249	-73.50	8-560	-73.50	2.431	-8-207	
.240	6.044	-110.40 -120.00	8.580	-110.40	-2.886	-8-413 -7-761 -6-525 -4-668 -2-386 -000	•250
.320	0.001 5.957	-128.00	8.550	-128.00	-5.098	-6.525	•350
•360 •400	5.957	-145.40 -163.00	8 - 1 o C	-163.00	-7.803	-2.386	• • • • • • • • • • • • • • • • • • • •
0	5.694	-18C.00 -197.50	7.890	-18C.0C	-7.880	•000	-500
.520	5.650	-197.50 -215.80 -234.70	7.74C	-215.80	-6.278	2.345 4.528 5.974	•550 •600
•560	5.402		7.400	-254.60	-1.945	5.974	-650
.641	5 • 19 8 5 • 3cc	-274.4C -293.50	7-120	-274.40	.546	7.13.	.750
·681	5.500		7.400	-313.0C	5.C+7	5.412	-800
.761	6.245	-332.00 -351.cc -365.cc	7.5.C	-332.CC	6.657	6.658 5.412 3.540 1.330	.900
./90	7.504	-365.CC	10.240	-12.cC -20.cC -30.cC -37.cC -37.cC -37.cC -10.4c -128.cC -128.cC -148.c0 -157.4C -257.4C -257.4C -257.4C -237.4C -237.4C -237.4C -237.4C -237.4C -237.4C -237.4C -237.4C -237.4C -237.4C -237.4C -237.4C -237.4C -237.4C	10.241	896	•950 •987
	DISTRIBL	TION OF CLARENT	AND CHARGE 6	N BEVERAGE AN	TENNA OVER PO	IST EARTH	
	ALFAL/BET	AL0350	BETAL/BE	TAC . 1.004	L1/LAP	AC500	
FREGUEN	CY . 300.00	PHZ PE	012	C/LAPDAC	290	RL - 380-0	OHPS
		A. MEA	SURED CURRENT	CISTRIBUTION ZEC DATA	IN MAZY BLT		
	RA- D		NORMAL !	ZEC DATA			
2/4	IRM AG	IRFAZ	INHAG	INFAZ	INREAL	INIPAG	Z/LAMDAD
•00•	6.115	98.00 87.00 66.50	3.08C 2.9*C 2.88C 2.82C	7.00	3.057	.375	•003
• 033		98.00	2.9.0		5.929	256	-025
-134	5.866	66.50	5.850	-16.00 -36.50	2.929 2.768 2.267	256 794 -1.677	•050 •100
.200	5.741	49.00 31.50	2.760	-54.CC -71.5C	1.622	-2.233	+150
.334	5.616	14.50	2.700		•071	-2.579	.200
.467	5.034	-55.50	2.540	-105.20	692	-2.444	•300
.534	*.784 *.*51 *.*10	**1.50	2.300	-144.50	-1-872	-1.982	•350
.646	***10	-22.00 -11.50 -62.60 -80.50	2.10C 2.10C	-105.80 -125.00 -144.50 -165.60 -183.50	2 • 267 1 • 622 • 863 • 071 • • 692 • 1 • 388 • 1 • 872 • 2 • 073 • 2 • 116	532	• • • • • • • • • • • • • • • • • • • •
		8. MEASUR	ED CHARGE CIS	THIELTIEN IN P	TCC8LL/V8LT-P		
2,=	PA- SA	47.4	NORMALI	ZEC CATA			
	GR"AG	SRFAZ	GNMAG		GREAL	CHIMAG	Z/LAMDAD
33	12.395 9.154 7.796 6.547	-10.40	16.94C 12.54C 10.68C 9.38C 8.56C	-10.40	16.920 12.334 10.157 7.684		.006
· 33 · 67 · 13•	7.796	-18.00 -35.00	10.680	-1C.4C	12.334	-3.300	.025
.130		-35.CC -53.5C	9.380	-35.CC	7.684	-5.380	·050
•267	5.103	-73.50		-73.50	5.092	-6.881 -8.016	.150
01	5.498	-92.5C	8.080	-52.50 -112.00	:-350	-8-012	.500
.536	6.01	+131-cc			-3.027 -5.393	-7.492	.300
*****	20097	-167.50	8.340	-149.8C	-7.2+3 -8.689	-4.215	••00
•650	8.701	-181.00	10.960	-191.00 -149.80 -167.50 -181.60	-10.356	-1.926	·+50
							,

TABLE 3.5

ANTEN A	CE AND IMPE	DANCE OF	BEVERAGE EASURED)		A TELLA E	THE PRES	ATER (EASURED!	
ALFAL/HETA 1287	SETAL/SETA	. 1.14	3 A/LAMD	L • •CC17	ALFALZBET U911	TETAL/HET	Ay • 1•(5)	S A/LAH	DLCC16
FREQUENCY = 300-5		067		ACC1CC	FREGUENCY . 3 10.	-L F	• • • 67	C/LAM	DACCSCC
		162.006	-MS			74.	193-00#	rs	
4	DELTTA CEL	1111465	IMPEDAN	CE (BHMS)	Ani	TTTA CEL	ILLIMHOS)	IMPECA	NCE (BHYS)
HETALOH	9	В	R	×	-ETAL •		e	R	×
1.795 3.591 7.122 13.773	5.96 • .58 52 50	21 05 -14 22	167*58 218*31 199*05 197*26	5-9c 2-38 5-55 8-59	1 + 5 ° 2 ° 3 ° 3 ° 5 ° 6 + 6 ° 1 ° 6 ° 6 ° 6 ° 6 ° 6 ° 6 ° 6 ° 6 °			2.7·71 236·96 225·69 224·8*	20-03 23-24 3-06 14-21

	ATTIMALA ATENIA	DE AND IMP	EDANCE 9F	BEVERAGE EASURED)			CE AND IMP				
4	LFAL/8674046	SETAL/SET	AJ. • 1•;1	H A/LAM	DL • •CC15	ALFAL/BETA CZ8	"LTAL/PET			DL • .0015	
	FREGUENCY . 300.7	-Z PL	67	DILAM	DACC500	FREGUENCY . 300.01		• • :67		CAC . 1000	6.7
		AL .	270.000	-MS			AL.	271-00%	rs .		
	ADI	ITTA' CEL	ILLIMHOS	IMPEDA	NCE (BHMS)	A1	TITIA CE ("	ILL [~+95)	IMPECA	VCE (BHAE)	
	CETAL OH	- 3	а	R	x	SETAL .	5	ť	R	x	
	1.599 3.198 5.376 9.534	3.29 3.29 3.31 3.49	75 81 49	2*4*93 286*50 279*45 271*5*	46.62 70.56 39.01 63.80	1.5%6 3.1%2 6.3%4 9.576	1.31 2.43 1.30 3.45	10 70 18 20	301.84 276.18 284.96 288.05	9.12 55.55 14.66 16.65	

	ANCE HE TRESH			
ALFAL/BETA031	14-/3ET	AS * 1.1	0 A/LAM	DL • .CC15
FREQUENCY . 300	Z PF	:67	DILAM	DAC2500
	۹۲.	290.00#	MS	
	ADMITTANCE (*	14414651	IMPEDA	NCE (BHMS)
SETAL*H	3	Б	R	x
1.596 3.192 6.384 9.576	3.46 3.46 3.45 3.45	.85 4 0	244.42 268.57 273.96	36.17 -29.19 1.50

ADMITTA	NCE AND IMPE	DANCE OF	BEVERAGE EASURED)		AUMITTAICE AND IMPEDANCE OF BEVERAGE ALTENNA OVER SALT WATER (MEASURED)				
ALFAL/BETA + .0660 FREGUENCY = 300.	RETAL/RETA		9 A/LAM	DAC0100	ALFAL/BETA • .0407 FREQUENCY • 300.00	HETAL/BET	• 2.885		DAC
		180.008H		NCE(BHMS)	AC	#L •	204-009H	IPPECA	NCE (B+FS)
BETAL	S	е	R	×	HETAL .H	3	е	P	×
1 • 7 4 2 3 • 4 8 4 6 • 9 6 8 10 • 4 5 2	5.64 4.41 5.22 5.39	69 79 38 48	174.69 202.44 190.56 184.07	21.37 33.25 13.87 16.39	1.644 3.249 6.578 9.847	**^8 ***?2 5*7 ****2	· 49 · 34 · 69 · 44	202.87 210.77 193.65 205.75	-20.37 -15.18 -26.36 -18.78

ADMITTA	CE AND IMPE	DANCE OF	BEVERAGE FASURED)		AUMITTANCE ANTENNA B	ALT IMP	EDANCE OF	BEVERAGE ASURED)	
ALFAL/BETA • .0220 HETAL/BETAD • 1.025 A/LAMDL • .0015 FREQUENCY • 330-00MH2 PE • 2.885 D/LAMDAG • .0500 RL • 265-009MH2 PE • 2.885 D/LAMDAG • .0500				ALFAL/BETA319 : FREQUENCY - 300.015		A0 • 1• 2		DAG1001	
				AUTITANCE(MILLIMES) IMPEDANCE(BHS					
BETAL•H	CMITTANCE (M	e	R	X	GETAL .	3	е	R	×
1.610 3.220 6.440	4.12 4.29 4.28	1 · 02 · 47 · 73 · 91	228.70 230.34 227.04 234.52	*56.62 *25.23 *38.72 *52.57	1 • 6 · 7 3 • 215 6 • 4 3 0 9 • 6 4 5	3.76 3.40 3.47 3.44	1.23 .88 1.20 1.12	2*0*25 275*65 257*40 262*8*	-78.55 -71.35 -89.01 -85.57

ALMITT	ANCE AND IMPE	MATER (F	BEVERAGE EASURED)	
ALFAL/BETA0340	HETAL/BET	A0 • 1.01	6 A/LAM	DL
FREGUENCY . 300	CCHHZ PE	. 2.885	DILAM	DAC2500
	RL .	385 - COAH	rs .	
	ACMITTANCEL	11117-05)	IMPEDA	NCE (BHPS'
PETAL .	5	e	R	×
1.596	•• 19	2.13	192.33	-100-16 -105-44
3·192 6·36*	3.47	2.01	215-47	-124.45

ATMITTAN	Ce	45.7	INPEDANCE	eF	BEVERAGE
ASTES .	6 /1	E +41	TET CARTL	IMI	ACI RECT

ALFAL/BETA = .0982 METAL/META, = 1.106 A/LAMDL = .0017 ALFAL/BETA = .0822 METAL/META, = 1.136 A/LAMDL = .0018 FREQUENCY = 300-0.0004 FE = .018 D/LAMDAC = .0500 HL = 213-000005

	ADMITTANCE (-1)	IMPEDANCE (BHMS)		
"ETAL "H	3	е	R	×
1.737	4.5	•60	218.34	-29-11
3.474	4.16	. 24	238 • 45	-13.69
6.949	4.27	• 37	232.45	-20-14
10.423	4.30	• 37	230.85	-19.86

A MITTA CE AND IMPEDANCE OF BEVERAGE ANTENNA OVER OIST EARTH (MEASURED)

GETAL+H	ADMITTAL CELL	ILL IMPOS)	IMPEDANCE (BHMS)		
	1	E	R	×	
1.672	****	1.17	216.53	-58.92	
3.243	3013	. 81	249.92	-52.85	
6 . 4 - 7	3.70	1.26	232.18	-75 · C1	
9.730	1.99	•93	237 • 71	-55 - 41	

ADMITTANCE AND IMPEDANCE OF BEVERAGE ANTENNA OVER POIST EARTH (MEASURED)

-L . 242.COPPTS

TETAL+H	ADMITTANCE IT	IMPEDANCE (BHPS		
		В	R	×
1.5 × 8 3.176 6.352 9.578	3.13 3.12 3.12	1.49 .57 1.44 1.41	238.07 245.36 229.21 225.88	-99.09 -62.14 -86.40

AUMITTANCE AND IMPEDANCE OF BEYERAGE ANTEN A CYCH MOIST EARTH (MEASURED)

	ADMITTARCE (IMPEDANCE (B-MS)		
HETAL .	3	e	R	x
1.577	1.15	5C	306-85	48.25
3 - 175	32	-1.26	242.03	117.67
5 • 31)	2.17	90	3(8.32	93.45
9.465	2.34	** 57	303.42	98.74

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